

# HP20

# Stereo Phono Amplifier



HP20 is a high performance stereo phono amplifier for MM and MC phono cartridges. HP20 offers exceptional performance in terms of transparency, dynamic and extraordinary imaging capability at its price range.

Ultra low noise semiconductor devices and audio grade electronic components are extensively used in HP20. We have implemented passive RIAA equalizer for HP20 because the elements of the equalizer have less coloration to the sound compared with active feedback RIAA equalizer.

Two discrete ultra low noise precision DC regulated power supplies are used for main dual power supplies. Additionally, four ultra low noise power supplies are used locally near to the amplifying circuits. These ensure that power supplies are free from noise throughout the phono amplifier.

HP20 follows the same generic structure of the higher version phono amplifier HP10 except without having a vacuum tube output buffer. The sonic performance of HP20 is nearly identical to HP10 but at a much affordable price level. HP20 is an excellent choice for use with any phono cartridges.

*"A high performance stereo phono amplifier employing ultra low noise solid-state semiconductors and passive RIAA equalization."*

Passive RIAA equalization with deviation less than 0.3dB

Five matching impedances for MC cartridges

Two amplification gains for MC cartridges

Discrete ultra low noise precision DC regulated power supplies



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## PRODUCT DESIGN

A stereo MM/MC phono amplifier with passive RIAA equalizer.

## INPUT

One set for MM or MC

## OUTPUT

One set of unbalanced and one set of balanced output

## MM GAIN

40dB for unbalanced output and additional 6dB for balanced output

## MM INPUT IMPEDANCE

47k Ohm

## MC GAIN

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

## MC INPUT IMPEDANCE

10, 33, 100, 250, 500 Ohm

## RIAA DEVIATION

20 – 20,000Hz,  $\pm 0.3$ dB (for MM and MC)

## DISTORTION

0.05%

## OUTPUT IMPEDANCE

430 Ohm for unbalanced output  
860 Ohm for balanced output

## MINIMUM LOAD IMPEDANCE

10k Ohm

## SIGNAL TO NOISE

70dB for MC, 85dB for MM

## POWER CONSUMPTION

12W

## DIMENSION

110 x 325 x 356mm (H x W x L)

## NET WEIGHT

6.6kg /14.5pounds

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Discrete ultra low noise precision DC regulated power supplies

(Specifications subject to change without prior notice.)



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