



Specifications

Frequency Response

+0, -0.5dB from 20Hz to 20,000Hz

+0, -3dB from 10Hz to 100,000Hz

Total Harmonic Distortion

0.005% maximum from 20Hz to 20,000Hz
(High Level Inputs)

0.05% maximum from 20Hz to 20,000Hz
(Phono Inputs)

Rated Output

5V Balanced, 2.5V Unbalanced (Main Outputs)

Maximum Voltage Output

20V RMS Balanced, 10V RMS Unbalanced

Sensitivity (for rated output)

High Level, 450mV Unbalanced, 900mV Balanced

Phono 1 & 2, 0.25mV - 4.5mV
w/ selectable 40-64dB gain

Signal To Noise Ratio (A-Weighted)

High Level - 107dB (Below rated output)

MM Phono - 83dB (Below 5mV input)

MC Phono - 79dB (Below 0.5mV input)

Input Impedance

High Level - 50K ohms Balanced

25K ohms Unbalanced

Maximum Input Signal

High Level, 20V Balanced, 10V Unbalanced

Phono MC, 10mV

Phono MM, 100mV

Voltage Gain

High Level to Main, Output1 and 2: 15dB

High Level to Rec/Fixed Output: 0dB

Phono MM and MC - Selectable 40dB,
46dB, 52dB, 58dB or 64dB

Output Impedance

200 ohms Balanced

100 ohms Unbalanced

Headphone Load Impedance (Selectable)

16 - 40 ohms, 40 - 150 ohms, 150 - 600 ohms

Headphone Voltage Gain (From Main Output)

16 - 40 ohms, 0dB

40 - 150 ohms, 6dB

150 - 600 ohms, 12dB

Headphone Output

150mW minimum from 16 ohms to 600 ohms load

Power Control and Trigger Output

12VDC, 25mA

Tube Complement

10 Tubes, Six - 12AX7A and Four - 12AT7
(per channel, viewed from top window)

High level - one 12AX7A and two 12AT7
(per channel viewed from Front Panel Window)

Four 12AX7A, two per channel

Power Requirements

Field AC Voltage conversion of the C12000 is not possible. The C12000 is factory configured for one of the following AC Voltages:

100 Volts, 50/60Hz at 75 watts

110 Volts, 50/60Hz at 75 watts

120 Volts, 50/60Hz at 75 watts

220 Volts, 50/60Hz at 75 watts

230 Volts, 50/60Hz at 75 watts

240 Volts, 50/60Hz at 75 watts

Standby Power, less than 0.5 watts

Note: Refer to the rear panel of the C12000C Controller for the correct voltage.

Overall Dimensions

Width is 17-1/2 inches (44.45cm)

Height is 6 inches (15.2cm) including feet

Depth is 19 inches (48.3cm) including the Front Panel,
Knobs and Cables

Weight

C12000 Controller -

27 pounds (12.3 kg) net,

42 pounds (19.5 kg) in shipping carton

C12000 Preamplifier -

25 pounds (11.3 kg) net,

40 pounds (17.7 kg) in shipping carton

Shipping Carton Dimensions

Width is 27 inches (68.6cm)

Height is 12 inches (30.5cm)

Depth is 25 inches (63.5cm)