

8300
series

integrated
amplifier



Available in Silver and Black

SPECIFICATIONS

Model	8300A
General	Integrated amplifier
Description	Design Philosophy And Core Technology
Design Philosophy And Core Technology	Dual mono power amp design
Display	OLED 128x64 pixels 2.7"
Controls	Logarithmic ladder volume circuit
Finish	Fine textured aluminium (black / silver)
Standby Features	Yes
12v Trigger	Yes
Phono	Yes (MM/MC)
Balanced XLR Input	Yes
Pre-amplifier Section	
Inputs	CD, video, tuner, aux 1, aux 2, XLR (balanced) & phono
Outputs	2 x RCA
Input Sensitivity (Phono Riaa)	3.4mV (MM), 340uV (MC)
Input Impedance (Line Inputs)	50K // 100pF
Input Impedance (Phono Inputs)	47K // 100pF (MM), 100R // 1.5nF (MC)
Input Voltage (Line)	3.5V max. (< 0.02% THD)
Output Voltage	2.3V max. (< 0.02% THD)
Preamp Output Impedance	120 ohm
Frequency Response (Line)	10Hz - 20kHz (+/- 0.1dB)
Frequency Response (Line)	1Hz - 100kHz (+/- 3.0dB)
Frequency Response (Phono RIAA)	20Hz - 20kHz (+/- 1.0dB)

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Model	8300A
Channel Imbalance	<0.2dB (10Hz - 20kHz)
Total Harmonic Distortion (THD) Line	<0.001%
Total Harmonic Distortion (THD) Phono	<0.002%
Signal-to-noise Ratio (Line)	>107dB >109dB (A-weighted)
Signal-to-noise Ratio Phono (MM)	>73dB >78dB (A-weighted)
Signal-to-noise Ratio Phono (MC) (Volume = 0db , Vin=300uV , Rs=0r, BW=20-20khz)	>68dB >73dB (A-weighted)
Crosstalk	<80dB (L-> R & R->L @10KHz)
Power Amplifier Section	
Gain	29dB (20Hz-20KHz)
Input Sensitivity	840mV (Power Out = 70W into 8ohm)
Input Impedance	15K // 100pF
Rated Max Power Output , Thd < 1%	2 x 75W RMS (8 ohm) , 2 x 115W (4 ohm) (Ref. Power Supply= 230V AC)
Peak Output Current	+/- 15A
Frequency Response	+/- 0.1dB (10Hz – 20KHz) +/- 3.0dB (1Hz – 100KHz)
Channel Imbalance	<0.2dB (10Hz – 20kHz)
Total Harmonic Distortion (THD)	<0.002% (Power Out = 50W @ 1KHz, BW = 20Hz – 20kHz)
Signal-to-noise Ratio	>107dB (BW = 20 – 20KHz) >109dB(A-weighted BW = 20 – 20KHz)
Damping Factor	>100 (8ohm Load @ 1kHz)
Inputs	1 x RCA
Outputs	2 x Preamp
Dimensions	80 x 444 x 330.3mm
Weight	7.8kg

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