

9. TECHNICAL SPECIFICATIONS (SR840/SR940)

AMPLIFIER SECTION:

Rated Power Output, Minimum Continuous Watts per Channel from 20 Hz to 20 kHz, both Channels driven into 8 ohms	100 W/70 W
Total Harmonic Distortion at 8 ohms	0.02% / 0.03%
I.M. Distortion (IHF method, 60 Hz and 7 kHz mixed 4:1 at rated power output) at 8 ohms	0.02%
Damping Factor at 20 Hz	75

PREAMPLIFIER SECTION:

Phono	
Input Overload at 1 kHz	200 mV
Equivalent Input Noise, "A" weighted	0.7 μ V
Input Sensitivity (Input impedance, 47 kohms)	2.5 mV
Frequency Response (RIAA 20 Hz to 20 kHz)	\pm 0.5 dB
Signal to Noise Ratio "A" weighted (at rated output and 10 mV input)	83 dB
High Level Inputs (CD and Tape)	
Input Sensitivity	150 mV
Input Impedance	25 k Ω
Frequency Response	20 Hz — 20 kHz \pm 0.25 dB
Signal to Noise Ratio "A" weighted (at rated output and 775 mV input)	100 dB
Output Impedance Tape Out	1 k Ω

FM TUNER SECTION:

Sensitivity	
IHF Usable	1.7 μ V (9.84 dBf)
IHF 50 dB Quieting (Mono)	2.5 μ V (13.2 dBf)
(Stereo)	35 μ V (36.1 dBf)
Quieting Slope (Mono)	
RF Input for 30 dB Quieting	1.3 μ V (7.51 dBf)
Quieting at:	
20 dBf (5.5 μ V)	55 dB
25 dBf (10 μ V)	60 dB
40 dBf (55 μ V)	74 dB
65 dBf (1,000 μ V)	85 dB
Quieting Slope (Stereo)	
Quieting at:	
30 dBf (17 μ V)	42 dB
40 dBf (55 μ V)	54 dB
50 dBf (173 μ V)	64 dB
65 dBf (1,000 μ V)	72 dB
Distortion (Mono) at 65 dBf (1,000 μ V)	
100 Hz	0.15%
1,000 Hz	0.1%
6,000 Hz	0.15%
Distortion (Stereo) at 65 dBf (1,000 μ V)	
100 Hz	0.25%
1,000 Hz	0.2%
6,000 Hz	0.25%

Stereo Separation	
100 Hz	43 dB
1,000 Hz	48 dB
10,000 Hz	32 dB
Capture Ratio at 65 dBf (1,000 μ V)	0.9 dB
Frequency Response	
30 Hz to 15 kHz	
Mono	\pm 0.2 dB
Stereo	-1.0 dB
Alternate Channel Selectivity	65 dB
Spurious Response Rejection	90 dB
Image Response Rejection	80 dB
I.F. Rejection (Balanced)	90 dB
A.M. Suppression	55 dB
Subcarrier Rejection	65 dB

AM TUNER SECTION:

IHF Usable Sensitivity	20 μ V
Signal to Noise Ratio	50 dB
Alternate Channel Selectivity	46 dB
Adjacent Channel Selectivity	30 dB
Image Rejection	50 dB
Spurious Response Rejection	46 dB
I.F. Rejection	46 dB

GENERAL:

Power Requirements	120 V 60 Hz
Power Consumption at rated output, both channels operating	600 W/500 W
Idling Power (Volume Control at zero)	60 W/45 W
Dimensions	
Panel Width	420 mm (16.54")
Panel Height	110 mm (4.33")
Depth	453 mm (17.83")
Weight	
Unit alone	14.4 kg/12.4 kg (31.7 lbs/27.3 lbs)
Packed for Shipment	16.2 kg/14.2 kg (35.7 lbs/31.3 lbs)

Specifications and design are subject to change without notice.