



# SERVICE MANUAL 2270



**marantz**



**model 2270**



*Stereophonic Receiver*





## SPECIFICATIONS

### AUDIO CIRCUITS:

Rated continuous (RMS) power output per channel, both channels operating simultaneously, 20Hz to 20,000Hz	70 Watts at 4 and 8 ohms 40 Watts at 16 ohms
Comparable Total Music Power (IHF)	210 Watts at 8 ohms
High-level hum and noise (ref. 40W at 8 ohms)	—80 dB
Phono hum and noise	1.5 $\mu$ V equivalent input
Dynamic range (phono input to tape recording output)	96 dB
I. M. Distortion (SMPTE), at rated power	0.3%
Distortion decreases as output is lowered	
Total Harmonic Distortion, at rated Power	0.3% Maximum
Distortion decreases as output is lowered	
Power Bandwidth (IHF) for 0.3% THD	7Hz to 50,000Hz
Damping Factor (ref. 8 ohms)	Greater than 45
Frequency Response	
Through phono	$\pm 1$ dB
Input Sensitivity (for 40W at 8 ohms)	
High-level	.180 mV
Phono (1,000 Hz)	1.8 mV
Input Impedance	
High-level	100,000 ohms
Phono	47,000 ohms
Channel Separation 20 Hz to 20,000 Hz	35 dB Minimum

### FM SECTIONS:

IHF Usable Sensitivity	2.3 $\mu$ V
Selectivity	80 dB
Noise Quieting	—55 dB at 5 $\mu$ V —60 dB at 10 $\mu$ V —65 dB at 50 $\mu$ V
Total Harmonic Distortion, 400 Hz, 100% Mod.	(Mono) 0.2% (Stereo) 0.4%
Frequency Response (ref. 75 $\mu$ sec. de-emphasis)	$\pm 1$ dB 50 Hz to 15 KHz
Stereo Separation	1,000 Hz 40 dB
Sub-Carrier (38 KHz) Suppression	60dB

### GENERAL:

Power Requirements	100/120/200/220/240V AC 50 to 60 Hz
At rated output, both channels operating	500 Watts
Idling Power (Volume Control at zero)	38 Watts
Dimensions	
Panel Width	17 <sup>21</sup> / <sub>64</sub> Inches
Panel Height	5 <sup>25</sup> / <sub>64</sub> Inches
Depth	14 Inches
Weight	
Unit alone	38.5lbs
Packed for shipment	49.5lbs

\* These specifications and exterior designs may be changed for improvement without advance notice.























