

# STEREO RECEIVER SA-400

• 15W x 2 (r.m.s., 8Ω, 0.8%), 2-channel FM/AM/FM stereo receiver • IC power output section • FET FM front end • MFR tone control with switch-selected hinge points



# STEREO RECEIVER SA-400

## SPECIFICATIONS

### GENERAL

**Semiconductor:** 5 IC's, 1 FET, 7 transistor's, 10 diodes  
**Tuning range:** FM; 88-108 MHz,  
 AM; 530-1,605 kHz  
**Power source:** AC 100/120/220/240V, 50/60 Hz  
**Control:** Volume, bass, treble, balance, selector (AM/FM-mono/FM-auto/Phono/Aux), mode (Stereo/Mono), loudness (On/Off), tape monitor, MFR, Tuning  
**Antenna:** FM; 300/75Ω terminals  
 AM; Ferrite core antenna, external antenna terminals  
**Connector:** PHONO; AUX. inputs (phono jack); tape input and output via PIN jacks and parallel, single-connection 5-pin DIN jack; screw terminals for main speakers plus screw terminals for extension speakers; headphone jack; unswitched AC outlet; 300Ω and 75Ω FM antenna connection; input and output for 4-channel adaptor  
**Indicator:** FM-ST indicator, FM/AM tuning meter  
**Cabinet:** Walnut finished wood cabinet  
**Dimensions:** 420(W) × 125(H) × 285(D) mm (16½" × 4⅞" × 11¼")  
**Weight:** 8.2 kg (18 lbs.)  
**Accessory:** FM feeder antenna, PIN-plug, owner's manual

### PERFORMANCE

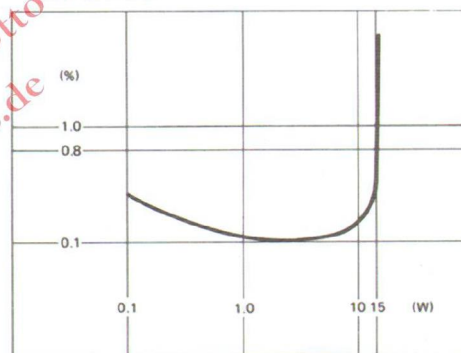
#### Audio section

**Power output (each channel driven, total):** IHF Music power at 0.8% distortion; 30W (4Ω), 37W (8Ω), 20W (16Ω)  
 Continuous power at 0.8% distortion; 22W (4Ω), 30W (8Ω), 17W (16Ω)  
**Frequency response:** 20-40,000 Hz -3 dB  
**Power bandwidth:** 20-40,000 Hz (IHF, 0.8%)  
**Signal-to-Noise ratio:** PHONO; 65 dB, AUX; 75 dB  
**Input sensitivity (for rated output):** PHONO; 3.0 mV 47kΩ  
 AUX; 200 mV 100 kΩ  
 TAPE; 200mV 100 kΩ  
**Hum:** PHONO; 50 mV AUX; 10 mV  
**Damping factor:** 26 at 8Ω  
**Tone control:** Bass; ±10 dB at 100 Hz  
 Treble; ±10 dB at 10kHz  
**Loudness:** +10 dB at 100 Hz  
**Residual noise:** 0.8 mV at 8Ω

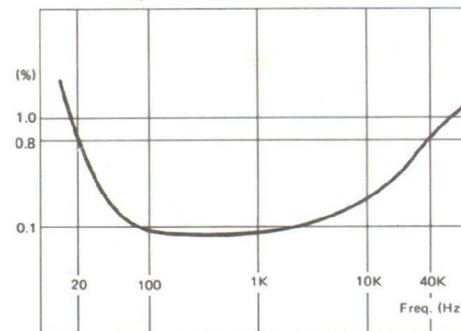
#### Tuner section

**FM:**  
**Sensitivity:** 2.5μV 300Ω (IHF)  
**Capture ratio:** 2 dB (IHF)  
**Selectivity:** 60 dB  
**Image rejection:** 50 dB  
**IF rejection:** 80 dB  
**Spurious rejection:** 40 dB  
**FM stereo separation:** 35 dB  
**SCA rejection:** 50 dB  
**AM:**  
**Sensitivity:** 20μV (IHF)  
**Image rejection:** 35 dB  
**IF rejection:** 30 dB

Total r.m.s continuous power output (0.8% Distortion)  
 30W (8 ohms)



Power bandwidth  
 20 ~ 40,000Hz (0.8%)



Frequency response  
 20 ~ 40,000Hz (-3dB)

