

# SPECIFICATIONS

## GENERAL

**Power Requirements:** 120 V ac, 60 Hz (US model)  
110, 120, 220 or 240 V ac adjustable,  
50 or 60 Hz (UK, AEP model)

**Power Consumption:** 18 W (US, AEP model)  
23 W (UK model)

**Dimensions:** Approx. 430 (w) x 170 (h) x 320 (d) mm  
17 (w) x 6 $\frac{3}{4}$  (h) x 12 $\frac{1}{8}$  (d) inches  
including projecting parts and controls

**Weight:** Approx. 7 kg, 15 lb 7 oz (net)  
Approx. 8.2 kg, 18 lb 2 oz (in shipping carton)

## TUNER SECTION

**Tuning Range:** 87.5 – 108 MHz

**Antenna Terminals:** 300  $\Omega$ , balanced  
75  $\Omega$ , unbalanced coaxial input

**Intermediate Frequency:** 10.7 MHz

**Sensitivity at 50 dB Quieting:** 3.4  $\mu$ V, new IHF 15.9 dBf (mono) } (US model)  
39  $\mu$ V, new IHF 37.1 dBf (stereo) }

**Sensitivity at 46 dB Quieting:** 3.4  $\mu$ V, new IHF 15.9 dBf (mono) } (UK, AEP model)  
(40 kHz dev.) 39  $\mu$ V, new IHF 37.1 dBf (stereo) }

**Usable Sensitivity:** IHF 1.5  $\mu$ V, S/N: 26 dB (40 kHz dev.)  
new IHF 8.8 dBf  
(UK, AEP model)  
IHF 1.7  $\mu$ V, new IHF 9.8 dBf

**Frequency Response:** 40 Hz–12.5 kHz  $\begin{matrix} +0.3 \\ -0.8 \end{matrix}$  dB (UK, AEP model)  
30 Hz – 15 kHz  $\begin{matrix} +0.2 \\ -1.5 \end{matrix}$  dB

**Selectivity:**

	NORMAL	NARROW
200 kHz	—	—
300 kHz	—	65 dB
400 kHz	55 dB	85 dB

**Capture Ratio:** 1.0 dB (NORMAL), 1.2 dB (NARROW)

**AM Suppression Ratio:** 60 dB

**Image Response Ratio:** 120 dB

**IF Response Ratio:** 120 dB

**Spurious Response Ratio:** 120 dB

**RF Intermodulation:** 80 dB

**Sub-carrier Product Ratio:** 70 dB

**Muting Threshold:** Approx. 5  $\mu$ V

**Output Level:** FIXED 750 mV, 4 k $\Omega$   
(75 kHz dev.)  
VARIABLE 0 to 1.2 V, 0.2 k $\Omega$  at max. position

**CAL TONE:** 50% modulation (37.5 kHz dev.),  
400 Hz

**Limiting Threshold:** 1.0  $\mu$ V, new IHF 5.4 dBf  
(UK, AEP model)

**S/N Ratio:** 79 dB (mono) } (US model)  
(40 kHz dev.) 74 dB (stereo) }  
74 dB (mono) } (UK, AEP model)  
69 dB (stereo) }

**Harmonic Distortion:** (40 kHz dev.)

	mono		stereo	
	NORMAL	NARROW	NORMAL	NARROW
100 Hz	0.08%	0.2%	0.15%	0.4%
1 kHz	0.08%	0.2%	0.15%	0.4%
10 kHz	0.08%	0.2%	0.3%	0.6%

**IM Distortion:**  
(40 kHz dev.)

	mono		stereo	
	NORMAL	NARROW	NORMAL	NARROW
	0.08%	0.2%	0.15%	0.4%

**Separation:**

	NORMAL	NARROW
100 Hz	43 dB	40 dB
1 kHz	45 dB	40 dB
10 kHz	40 dB	35 dB



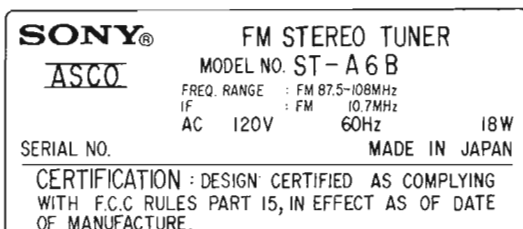
# SONY

## SERVICE MANUAL

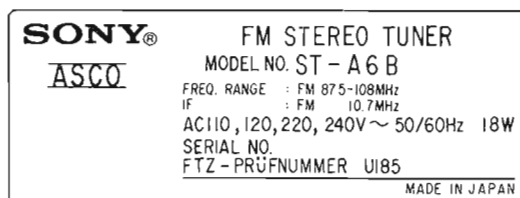
## MODEL IDENTIFICATIONS

— Specification Label —

### • US model



### • AEP model



### • UK model

