

CF 610/620

Now you can listen to quality stereo on cassette tape or tune into VHF stereo and VHF/MW broadcasts, transferring them direct on to tape. This system can also form the basis of your home stereo unit by connecting turntable, tape deck or microphone. Other features include tape select switch for the use of either standard or chromium dioxide cassettes, slide controls on volume and tone, SONY-O-MATIC automatic record level and dipole aerial. Available in black leatherette finish with lid integrated speakers (CF 610) or smart wooden cabinet with speakers in matching finish for separate mounting (CF 620).

Specification

Circuit system: 4-track, 2-channel stereo cassette recorder, FM stereo, FM/AM tuner

Semiconductors: 39 transistors, 1 FET, 27 diodes

FM SECTION

Tuning range: VHF 87.5–108 mHz (3.43–2.78 m).

Aerial system: Telescopic aerial x2 (0.86 m), 300 ohm balanced, terminal

Intermediate frequency: 10.7 mHz

Sensitivity: 2.4 μ V, S/N 30 dB

Selectivity: 40 dB at 98 mHz

S/N ratio: 65 dB

Frequency response: 20–15,000 Hz, ± 3 dB

Stereo separation: 30 dB at 400 Hz

AM SECTION

Tuning range: MW 530–1605 kHz (566–187 m)

Aerial: Built-in ferrite bar aerial, and external aerial terminal

Intermediate frequency: 455 kHz

Sensitivity: MW 48 dB/m built-in aerial, 20 μ V ext aerial

S/N ratio: 50 dB

CASSETTE RECORDER SECTION

Recording system: 4-track, 2-channel, stereo and 2-track monaural

Speeds: 1 $\frac{7}{8}$ ips

Recording time: 2 hours with C-120

Bias frequency: 85 kHz approx.

Frequency response:

"Normal" tape

30–12,000 Hz -15 dB

60–10,000 Hz DIN

"CrO₂" tape

30–13,000 Hz -15 dB

60–11,000 Hz DIN

Total harmonic dist.: Less than 2.5%

Wow and flutter:

0.22% r.m.s. weighted

$\pm 0.38\%$ DIN

Power output: 6 watts $\times 2$ into 8 ohm

Speaker: 6 $\frac{1}{2}$ inch diameter (160 mm diameter) 8 ohm $\times 2$

Inputs:

Impedance

Mic Low

Line 100 k ohm

Phono 40 k ohm

Sensitivity

-72 dB (0.2 mV)

-22 dB (0.06 V)

-57 dB (1.1 mV)

Outputs:

Line 10 k ohm or more

Ext speaker 8 ohm

Headphone 8 ohm

0 dB (0.775 V) at 100 k ohm

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Power requirements: AC 110, 127, 220, 240 V, 50/60 Hz, (factory-set 240 V, 50 Hz), power consumption 30 watts

Dimensions (approx.): Deck only 16 $\frac{1}{2}$ (W) \times 5 $\frac{7}{8}$ (H) \times 12 $\frac{1}{2}$ (D) inches, 420 \times 138 \times 311 mm including projecting parts
Speaker enclosure only 15 $\frac{7}{8}$ (W) \times 11 $\frac{1}{8}$ (H) \times 6 $\frac{1}{2}$ (D) inches, 385 \times 294 \times 159 mm

Weight (approx.): Deck only 14 lb 5 oz (6.5 kg)

Speaker enclosure only per piece 6 lb 10 oz (3.5 kg)

Supplied accessories: 2 \times microphone F-25, 1 \times demonstration tape, 1 \times mains lead, 1 \times set of head cleaning tips, 1 \times speaker system

Optional accessories: BE7 cassette eraser, DR4A stereo headphones, DR5A stereo headphones, EC5M mic extension cable, ECM19B condenser mic, ECM21 condenser mic, F99B one point stereo mic, HE2 head demagnetizer, MX6S stereo mixer, MX12 stereo mixer, TP5S telephone pickup, RC2 record/playback lead

