

# 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  $\mu$ V, S/N 30 dB

**Selectivity:** 40 dB at 98 MHz

**S/N ratio:** 65 dB

**Frequency response:** 20–15,000 Hz,  $\pm$ 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  $\mu$ 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

**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

**Outputs:**

Line 10 k ohm or more

Ext speaker 8 ohm

Headphone 8 ohm

Sensitivity

-72 dB (0.2 mV)

-22 dB (0.06 V)

-57 dB (1.1 mV)

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  $\frac{7}{8}$  (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

