

TC-K679ES/K690

SERVICE MANUAL

US Model

TC-K679ES

TC-K690

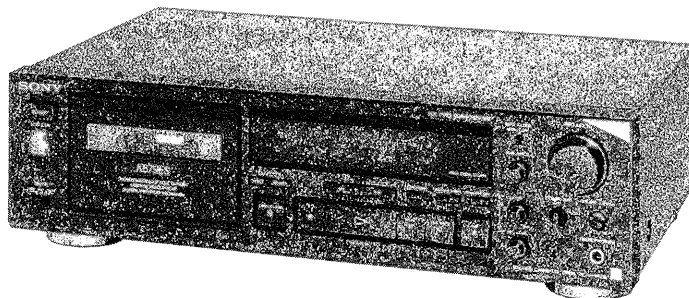
Canadian Model

UK Model

TC-K679ES

AEP Model

TC-K690




Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. "DOLBY" and the double-D symbol  are trademarks of Dolby Laboratories Licensing Corporation.

Photo:TC-K679ES

AllegroSound.com

SPECIFICATIONS

Recording system 4-track 2-channel stereo
 Fast winding time Approx. 90 sec. (with Sony C-60 cassette)
 Bias AC bias
 Heads Erasing head × 1 (S&F head)
 Recording head × 1 (SD head)
 Playback head × 1 (LA head) (K679ES)
 Playback head × 1 (SD head) (K690)
 Motors Capstan motor × 1 (DC servo motor)
 Reel motor × 1 (DC motor)
 ASIST (mechanical drive) motor × 1 (DC motor)

Signal-to-noise ratio (at peak level)

Cassette (Dolby NR OFF)	Type IV (Sony Metal-Select/S)	Type II (Sony UX-S)	Type I (Sony HF-S)
	60 dB	59 dB	57 dB

Measured at peak level weighted without NR. The S/N is improved by about 15 dB at 500 Hz and by about 20 dB about 1 kHz with Dolby-C NR on, and by 5 dB at 1 kHz and by 10 dB about 5 kHz with Dolby-B NR on.

Harmonic distortion

0.4% (with Sony Type I, 160 nWb/m, 315 Hz, 3rd H.D.)
 1.5% (with Sony Type IV, 250 nWb/m, 315 Hz, 3rd H.D.)

Frequency response (Dolby NR OFF)

Type IV cassette (Sony Metal-Select/S)	20-21,000 Hz (± 3dB,IEC) (K679ES) 20-20,000 Hz (± 3dB,IEC) (K690) 20-16,000 Hz [± 3dB (-4dB recording)]
Type II cassette (Sony UX-S)	20-19,000Hz (± 3dB,IEC) (K679ES) 20-18,000 Hz (± 3dB,IEC) (K690)
Type I cassette (Sony HF-S)	20-17,000Hz (± 3 dB,IEC)

Wow and flutter
 ±0.09% W.Peak (IEC)
 0.05% W.RMS (NAB)
 ±0.14% W.Peak (DIN)

Model Name Using Similar Mecanism	TC-K677ES/K670	
Tape Transport	TC-K679ES	TCM-200V9
Mechanism Type	TC-K690	TCM-200V10

Inputs

Line inputs (phono jacks)	Sensitivity	0.16 V
	Input impedance	47 kilohms

Outputs

Line outputs (phono jacks)	Rated output level	0.5 V at a load impedance of 47 kilohms
	Load impedance	Over 10 kilohms
Headphones (stereo phone jack)	Output level	0 — 3 mW at a load impedance of 32 ohms

General

Power requirements 120V AC, 60Hz : K679ES (US,Canadian) K690 (US)
 240V AC, 50Hz : K679ES (UK)
 220 - 230V AC, : K690 (AEP, Germany)
 (or 240V AC adjustable by Sony personnel), 50/60Hz.

Power consumption 19 W

Dimensions Approx. 430 × 123 × 300 mm (w/h/d)
 (17 × 4⁷/₈ × 11⁷/₈ inches)
 including projecting parts and controls

Weight Approx. 4.9 kg (10 lbs 13 oz)

Supplied accessories

Audio connecting cords (2)

Design and specifications are subject to change without notice.

STEREO CASSETTE DECK

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