



For more Hi-Fi manuals and set-up information  
please visit [www.hifiengine.com](http://www.hifiengine.com)

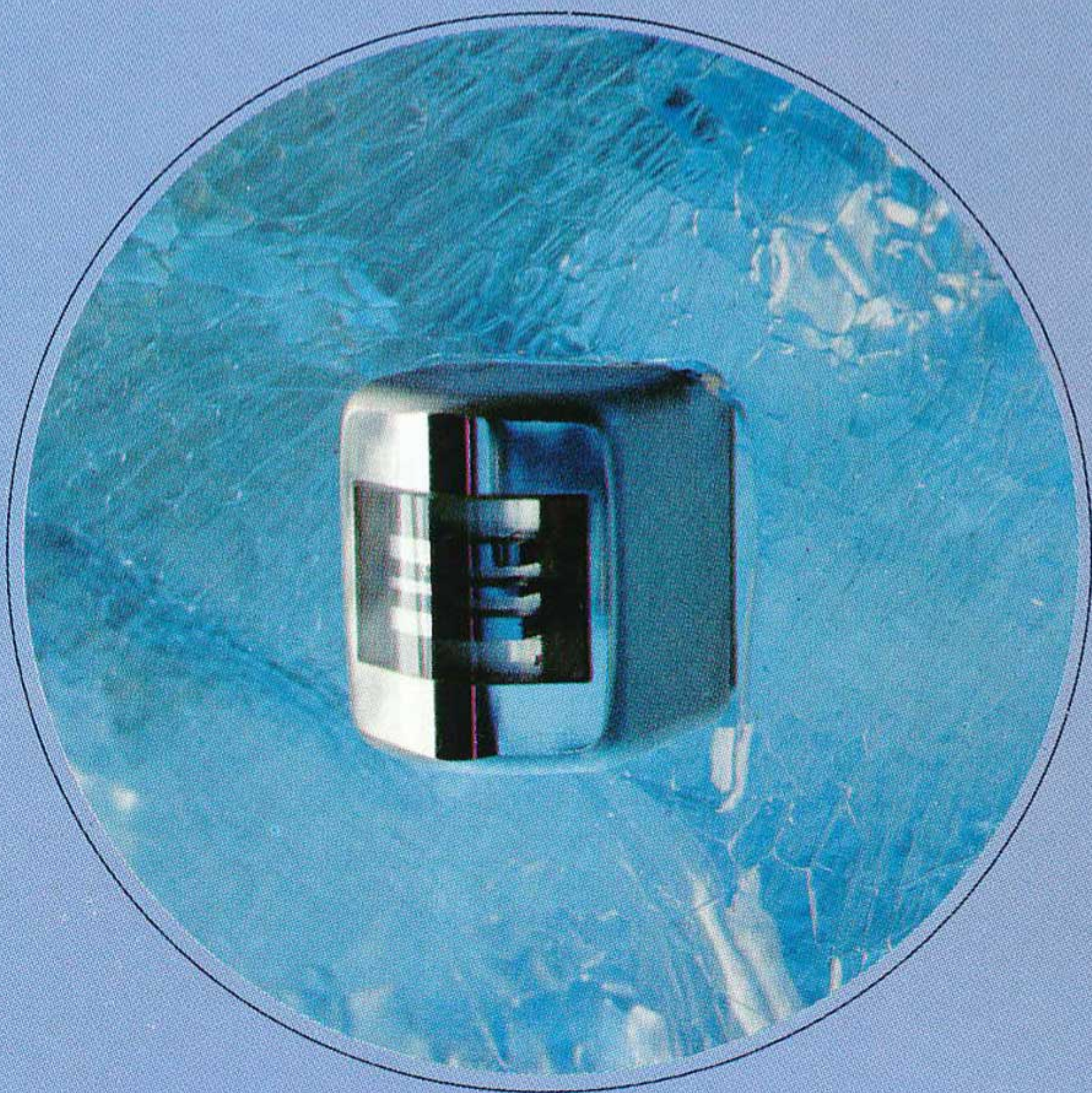
# PRIDE IN QUALITY FOR YOUR PLEASURE

**AKAI**  
VIDEO TAPE RECORDERS  
STEREO TAPE RECORDERS  
TAPE DECKS  
AMPLIFIERS  
SPEAKER SYSTEMS



# GX-HEAD

GLASS AND X'TAL FERRITE HEAD



## **Dust Free / Wear Free / Focused Field**

A TAPE RECORDING DREAM ..... THE IDEAL GX HEAD  
Can AKAI possibly apply their VTR Engineering Researcher's most precious perfected head to Audio Tape Recorders?

AKAI, who has for many years sold their tape recorders in every nook and corner of the world, in order to maintain it's reputation of quality, has developed and perfected the GX (Glass and Crystal Ferrite) Head.

This All-New GX Head will always, regardless of the severest of environments, produce magnificently clear and beautiful playback sound of your recorded chronicles.

# GX-365

## PROFESSIONAL STEREO TAPE RECORDER



■ GLASS AND CRYSTAL FERRITE HEAD      ■ 4-TRACK  
STEREO/MONAUROAL FOCUSED FIELD HEAD RECORDING  
SYSTEM    ■ THREE HEADS    ■ THREE MOTORS  
■ COMPUTE-O-MATIC (Automatic Recording Level Control)    ■ REVERSE-O-MATIC (Automatic Continuous Reverse)    ■ MAGNETIC BRAKE

### SPECIFICATIONS

**Tape Speed:** 1-7/8, 3-3/4 and 7-1/2 ips (15 ips optional)

**Wow/Flutter:** Less than 0.04% RMS at 7-1/2 ips

**Frequency Response:** 30 to 28,000 Hz ( $\pm 3$  dB) at 7-1/2 ips

**Distortion:** Within 1.5% at 7-1/2 ips (1,000Hz "0" VU Recording)

**S/N Ratio:** Better than 55 dB at 7-1/2 ips

**Output Power:** Total 50W

**Speakers:** Two 4" Built-in speakers

**Transistors:** 60 Silicon transistors

**Dimensions:** 16-1/4"(W)  $\times$  18-1/2"(H)  $\times$  11-1/8"(D) (410  $\times$  470  $\times$  280 mm)

**Weight:** 61 lbs. (27.7 kg)

# X-330

## MULTI-PURPOSE STEREO TAPE RECORDER WITH PROGRAM MINDER



■ 4-TRACK STEREO/MONAUROAL RECORDING/PLAYBACK SYSTEM ■ AUTOMATIC CONTINUOUS REVERSE  
■ CROSS-FIELD HEAD ■ FOUR HEADS ■ UP TO 10-1/2" REEL CAPACITY ■ 24 HOURS HI-FI STEREO RECORDING/PLAYBACK ■ MAGNETIC BRAKE ■ THREE MOTORS

### SPECIFICATIONS

**Tape Speed:** 1-7/8, 3-3/4 and 7-1/2 ips

**Wow/Flutter:** Less than 0.04% RMS at 7-1/2 ips

**Frequency Response:** 30 to 23,000 Hz ( $\pm 3$  dB) at 7-1/2 ips

**Distortion:** Within 1.5% at 7-1/2 ips (1,000 Hz "0" VU Recording)

**S/N Ratio:** Better than 50 dB

**Output Power:** Total 40 W

**Speakers:** Two 4"  $\times$  6" Speakers

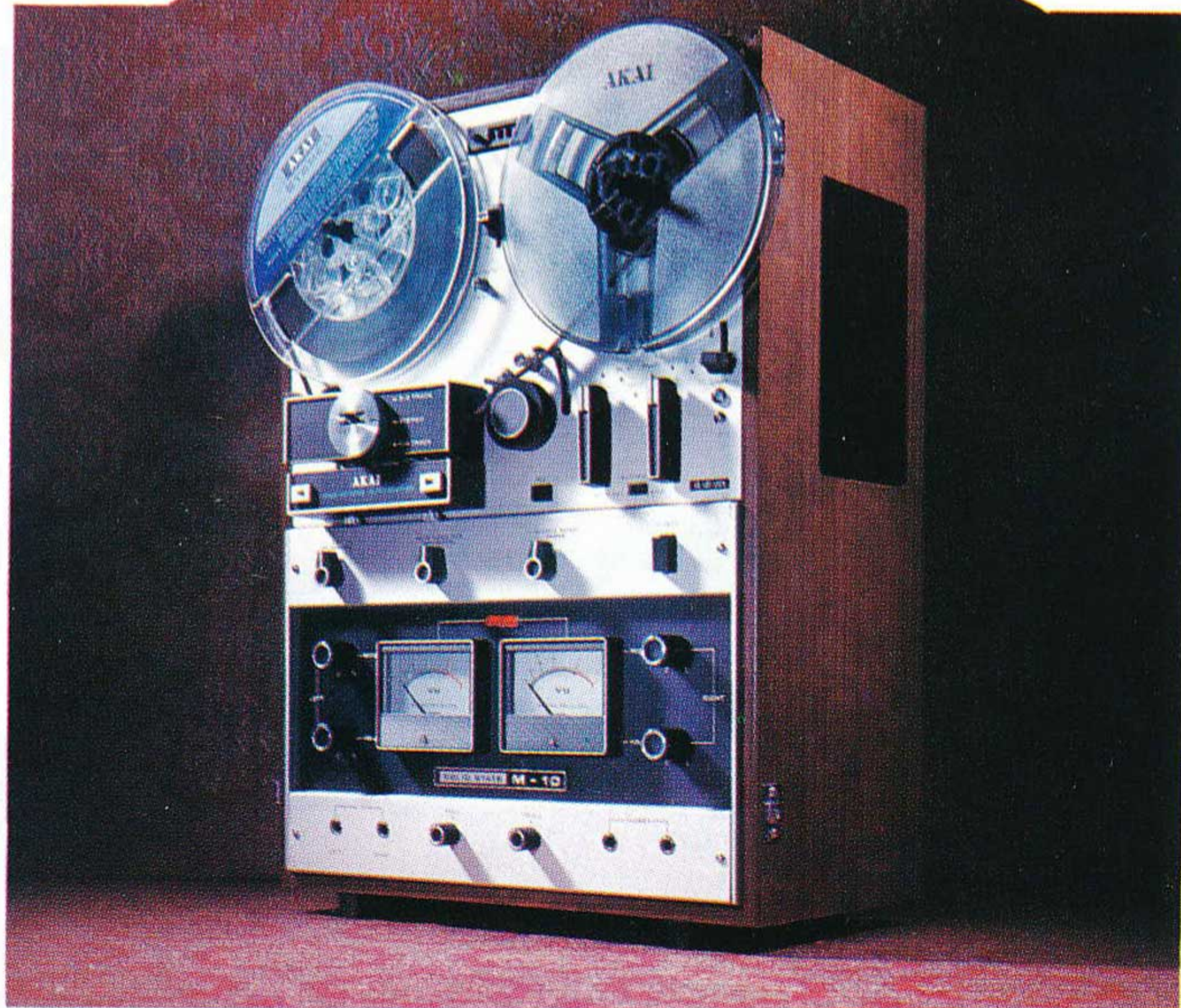
**Transistors:** 27

**Dimensions:** 17-1/8" (W)  $\times$  14-3/4" (H)  $\times$  9-3/8" (D) (436  $\times$  375  $\times$  238 mm)

**Weight:** 48.4 lbs. (22 kg)

# M-10

## THREE MOTOR AUTO REVERSE STEREO TAPE RECORDER



■ 4-TRACK STEREO/MONAUROAL RECORDING/PLAYBACK  
SYSTEM ■ CROSS-FIELD HEAD ■ TWO IC ■ SENSING  
TAPE OR MANUAL REVERSE ■ 3-SPEED CAPSTAN  
DRIVE MOTOR

### SPECIFICATIONS

**Tape Speed:** 1-7/8, 3-3/4 and 7-1/2 ips

**Wow/Flutter:** Less than 0.08% RMS at 7-1/2 ips

**Frequency Response:** 30 to 22,000 Hz ( $\pm 3$  dB) at 7-1/2 ips

**Distortion:** Within 2% at 7-1/2 ips (1,000 Hz "0" VU Recording)

**S/N Ratio:** Better than 50 dB

**Output Power:** Total 40 W

**Speakers:** Two 4"  $\times$  6" speakers

**Transistors:** 22

**Dimensions:** 13-3/4"(W)  $\times$  18-3/4"(H)  $\times$  9-1/2"(D) (350  $\times$  474  $\times$  242 mm)

**Weight:** M-10W(wooden case) 48.4 lbs. (22 kg)

M-10L(leather case) 47.6 lbs. (21.6 kg)

# X-2000SD

REEL-TO-REEL, CARTRIDGE, CASSETTE,  
COMBINATION STEREO TAPE RECORDER



TWO IC MAIN PLUS TWO IC PREAMPLIFIER; TRANSFER FROM REEL TO CARTRIDGE OR CASSETTE; OUTPUT POWER: TOTAL 24W; HEADS: Reel: cross-field head; Cartridge and Cassette: one micron gap heads.

Dimensions: 13.8"(W) × 18.3"(H) × 10.6"(D) (350 × 465 × 270mm) Weight: 49.4lbs. (22.4kg)

## REEL-TO-REEL

4-track stereo/monaural recording/playback

**Tape Speed:** 1-7/8, 3-3/4 and 7-1/2 ips (15 ips w/adaptor)

**Wow/Flutter:** Less than 0.09% RMS at 7-1/2 ips

**Frequency Response:** 30 to 20,000 Hz (± 3 dB) at 7-1/2 ips

**S/N Ratio:** Better than 50 dB

## CARTRIDGE

8-track stereo recording/playback, one hour continuous performance

**Tape Speed:** 3-3/4 ips

**Wow/Flutter:** Less than 0.20% RMS

**Frequency Response:** 30 to 18,000 Hz (± 3 dB)

**S/N Ratio:** Better than 45 dB

## CASSETTE

4-track stereo recording/playback, one hour continuous performance

**Tape Speed:** 1-7/8 ips

**Wow/Flutter:** Less than 0.22% RMS

**Frequency Response:** 30 to 16,000 Hz (± 3 dB)

**S/N Ratio:** Better than 45 dB

# X-2000S

REEL-TO-REEL, CARTRIDGE, CASSETTE,  
COMBINATION STEREO TAPE RECORDER



TWO IC MAIN PLUS TWO IC PREAMPLIFIER; TRANSFER FROM REEL TO CARTRIDGE OR CASSETTE; OUTPUT POWER: TOTAL 24W; HEADS: Reel: cross-field head; Cartridge and Cassette: one micron gap heads.

Dimensions: 13.8"(W) × 18.3"(H) × 10.6"(D) (350 × 465 × 270mm) Weight: 49.4lbs. (22.4kg)

## REEL-TO-REEL

4-track stereo/monaural recording/playback

**Tape Speed:** 1-7/8, 3-3/4 and 7-1/2 ips (15 ips w/adaptor)

**Wow/Flutter:** Less than 0.09% RMS at 7-1/2 ips

**Frequency Response:** 30 to 20,000 Hz (± 3 dB) at 7-1/2 ips

**S/N Ratio:** Better than 50 dB

## CARTRIDGE

8-track stereo recording/playback, one hour continuous performance

**Tape Speed:** 3-3/4 ips

**Wow/Flutter:** Less than 0.20% RMS

**Frequency Response:** 30 to 18,000 Hz (± 3 dB)

**S/N Ratio:** Better than 45 dB

## CASSETTE

4-track stereo recording/playback, one hour continuous performance

**Tape Speed:** 1-7/8 ips

**Wow/Flutter:** Less than 0.22% RMS

**Frequency Response:** 30 to 16,000 Hz (± 3 dB)

**S/N Ratio:** Better than 45 dB

# X-1800SD

## REEL-TO-REEL, CARTRIDGE STEREO TAPE RECORDER



- OPEN REEL: 4-TRACK STEREO/MONAUROAL RECORDING /PLAYBACK SYSTEM
- CARTRIDGE: 8-TRACK STEREO RECORDING/PLAYBACK SYSTEM
- TRANSFER FROM REEL TO CARTRIDGE
- REEL: CROSS-FIELD HEAD
- CARTRIDGE: ONE MICRON GAP HEAD
- ONE HOUR CONTINUOUS CARTRIDGE STEREO PERFORMANCE
- OUTPUT POWER: TOTAL 12 W

### SPECIFICATIONS

**Transistors:** 19

**Dimensions:** 13-1/2"(W) × 15"(H) × 9-1/2"(D) (338 × 378 × 238mm)

**Weight:** 37.4 lbs. (17 kg)

#### REEL-TO-REEL

**Tape Speed:** 1-7/8, 3-3/4 and 7-1/2 ips (15 ips w/adapter)

**Wow/Flutter:** Less than 0.12% RMS at 7-1/2 ips

**Frequency Response:** 30 to 20,000 Hz (± 3 dB) at 7-1/2 ips

**S/N Ratio:** Better than 50 dB

#### CARTRIDGE

**Tape Speed:** 3-3/4 ips

**Wow/Flutter:** Less than 0.25% RMS

**Frequency Response:** 50 to 17,000 Hz (± 3 dB)

**S/N Ratio:** Better than 45 dB

# 1800L

## REEL-TO-REEL, CARTRIDGE TAPE RECORDER



■ OPEN REEL: 4-TRACK STEREO/MONAUROAL RECORDING /PLAYBACK SYSTEM    ■ CARTRIDGE: 8-TRACK STEREO RECORDING/PLAYBACK SYSTEM    ■ OUTPUT POWER: TOTAL 8W    ■ TRANSFER FROM OPEN REEL TO CART- RIDGE    ■ ONE HOUR CONTINUOUS CARTRIDGE STEREO PERFORMANCE

### SPECIFICATIONS

**Transistor:** 4

**Dimensions:** 13-3/4"(W) × 15-3/8"(H) × 10-1/2"(D) (340 × 390 × 267 mm)

**Weight:** 36.3 lbs. (16.5 kg)

#### REEL-TO-REEL

**Tape Speed:** 3-3/4 and 7-1/2 ips

**Wow/Flutter:** Less than 0.12% RMS at 7-1/2 ips

**Frequency Response:** 40 to 18,000Hz at 7-1/2 ips (50 to 15,000 Hz ± 3 dB)

**S/N Ratio:** Better than 50 dB

#### CARTRIDGE

**Tape Speed:** 3-3/4 ips

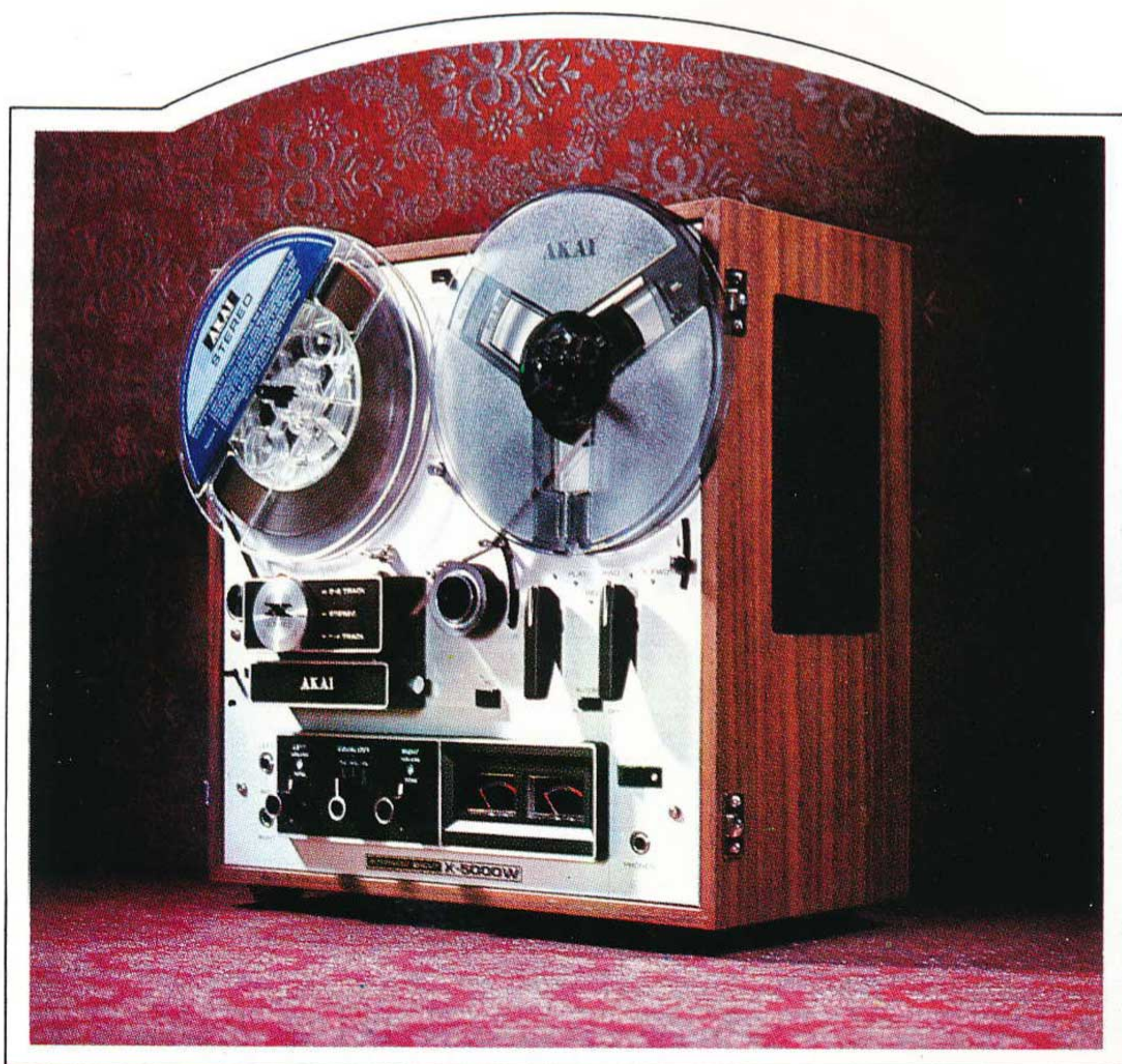
**Wow/Flutter:** Less than 0.25% RMS

**Frequency Response:** 40 to 14,000 Hz

**S/N Ratio:** Better than 45 dB

# X-5000W/L

## STEREO TAPE RECORDER



■ 4-TRACK STEREO/MONAUROAL RECORDING/PLAYBACK SYSTEM ■ CROSS-FIELD HEAD ■ HYSTERESIS SYNCHRONOUS 2-SPEED MOTOR ■ PRE/MAIN AMPLIFIERS MOUNTED ON CONSOLIDATED BOARD WITH TWO IC ■ 12 SILICON TRANSISTORS ■ TWO BUILT-IN HI-FI 5" X 7" SPEAKERS

### SPECIFICATIONS

**Tape Speed:** 1-7/8, 3-3/4 and 7-1/2 ips (15 ips optional)

**Wow/Flutter:** Less than 0.12% RMS at 7-1/2 ips

**Frequency Response:** 35 to 20,000 Hz ( $\pm 3$  dB) at 7-1/2 ips

**S/N Ratio:** Better than 50 dB

**Distortion:** Within 2% (1,000 Hz "0" VU Recording)

**Output Power:** Total 12W

**Dimensions:** 13-1/2"(W) X 14"(H) X 9-1/2"(D) (340 X 356 X 240 mm)

**Weight:** X-5000W(wooden case) 31 lbs. (14.2 kg)

X-5000L(leather case) 32 lbs. (14.6 kg)

# 4000

## THREE HEAD STEREO TAPE RECORDER



- STURDY MECHANISM
- SOLID STATE AMPLIFIER WITH 2 IC
- ONE MICRON GAP RECORDING/PLAYBACK HEADS
- SOUND WITH SOUND

### SPECIFICATIONS

**Tape Speed:** 3-3/4 and 7-1/2 ips

**Wow/Flutter:** Less than 0.15% RMS at 7-1/2 ips

**Frequency Response:** 40 to 20,000 Hz ( $\pm 3$  dB) at 7-1/2 ips

**S/N Ratio:** Better than 50 dB

**Output Power:** Total 24 W

**Transistors:** 17

**Dimensions:** 15-7/8"(W)  $\times$  12-3/8"(H)  $\times$  7-1/2"(D) (405  $\times$  315  $\times$  180 mm)

**Weight:** 26.4 lbs. (12 kg)

For Business .....

# VT-100



# 1720W/L

## "MIGNON" STEREO TAPE RECORDER



■ 4-TRACK STEREO/MONAUROAL RECORDING/PLAYBACK SYSTEM ■ AUTOMATIC SHUT-OFF ■ TAPE LIFTER  
■ FOUR HOURS STEREO RECORDING CAPACITY WITH A 1,200 ft. TAPE

### SPECIFICATIONS

**Tape Speed:** 1-7/8, 3-3/4 and 7-1/2 ips (15 ips optional)

**Wow/Flutter:** Less than 0.18% RMS 7-1/2 ips

**Frequency Response:** 40 to 15,000 Hz ( $\pm 3$  dB) at 7-1/2 ips

**S/N Ratio:** Better than 50 dB

**Distortion:** Within 3% (1,000 Hz "0" VU Recording)

**Output Power:** Total 8 W

**Transistors:** 14 Silicon transistors

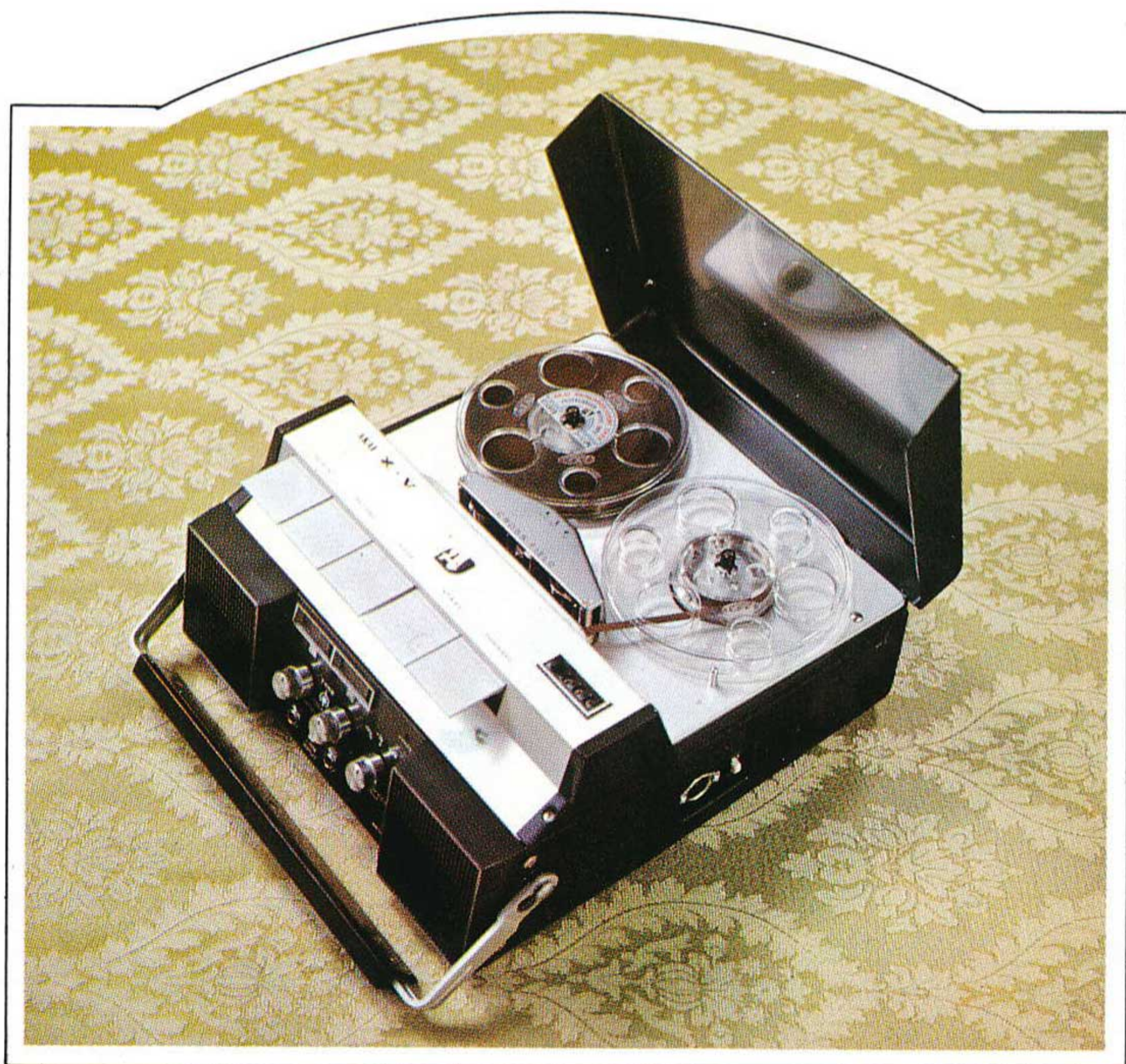
**Dimensions:** 14.2"(W)  $\times$  14.4"(H)  $\times$  9.6"(D) (355  $\times$  360  $\times$  240 mm)

**Weight:** 1720W(wooden case) 29.5 lbs. (13.4 kg)

1720L(leather case) 29.9 lbs. (13.6 kg)



## PORTABLE STEREO TAPE RECORDER



- 4-TRACK STEREO/MONAUROAL RECORDING/PLAYBACK SYSTEM
- CROSS-FIELD HEAD
- BRUSHLESS MOTOR
- 7" REEL CAPACITY (WITH ADAPTER)
- 8 HOURS HI-FI RECORDING WITH 5" REEL TAPE

### SPECIFICATIONS

**Tape Speed:** 15/16, 1-7/8, 3-3/4 and 7-1/2 ips

**Wow/Flutter:** Less than 0.15% RMS at 7-1/2 ips

**Frequency Response:** 40 to 20,000 Hz ( $\pm 3$  dB) at 7-1/2 ips

**S/N Ratio:** Better than 50 dB(DC)

Better than 45 dB(AC)

**Output Power:** Total 4 W

**Transistors:** 30

**Dimensions:** 11"(W)  $\times$  5-1/8"(H)  $\times$  12"(D) (280  $\times$  130  $\times$  300 mm)

**Weight:** 12.1 lbs. (5.5 kg) without battery

# CR-80

## 8-TRACK STEREO CARTRIDGE TAPE RECORDER



■ 8-TRACK STEREO CARTRIDGE TAPE RECORDER ■ ONE  
MICRON GAP HEAD ■ UNIVERSAL VOLTAGE SELECTOR  
■ FOUR IC

### SPECIFICATIONS

**Tape Speed:** 3-3/4 ips

**Wow/Flutter:** Less than 0.25% RMS

**Frequency Response:** 50 to 16,000 Hz ( $\pm 3$  dB)

**S/N Ratio:** Better than 47 dB

**Output Power:** Total 24 W

**Transistors:** 12

**Dimensions:** 13-1/2" (W)  $\times$  5-1/2" (H)  $\times$  10" (D) (345  $\times$  135  $\times$  250 mm)

**Weight:** 19.6 lbs. (8.9 kg)

# CS-50

## SUPER CASSETTE STEREO TAPE RECORDER



- 4-TRACK STEREO RECORDING/PLAYBACK SYSTEM
- AUTOMATIC REVERSING SYSTEM (Invert-0-matic)
- AUTOMATIC SHUT-OFF      ■ AUTOMATIC STOP      ■ ONE MICRON GAP HEAD
- SLOT LOADING SYSTEM      ■ TWO HOURS STEREO RECORDING CAPACITY USING A C-120 CASSETTE TAPE

### SPECIFICATIONS

**Tape Speed:** 1-7/8 ips

**Tape Speed Deviation:** Within  $\pm 2\%$

**Wow/Flutter:** Less than 0.2% RMS

**Frequency Response:** 30 to 16,000 Hz ( $\pm 3$  dB)

**S/N Ratio:** Better than 45 dB

**Output Power:** Total 16 W

**Motor:** Outer-rotor synchronous motor

**Transistors:** 19 Silicon transistors

**IC:** 2

**Dimensions:** 15" (W)  $\times$  6-1/4" (H)  $\times$  11-1/4" (D) (375  $\times$  160  $\times$  287 mm)

**Weight:** 19.6 lbs. (8.9 kg)

For Leisure .....

# VT-100



# GX-3650

## PROFESSIONAL STEREO TAPE DECK



- GLASS AND CRYSTAL FERRITE HEAD
- 4-TRACK STEREO/MONAURO FOCUSED FIELD HEAD RECORDING SYSTEM
- THREE HEADS
- THREE MOTORS
- COMPUTE-0-MATIC (Automatic Recording Level Control)
- REVERSE-0-MATIC (Automatic Continuous Reverse)
- MAGNETIC BRAKE

### SPECIFICATIONS

**Tape Speed:** 1-7/8, 3-3/4 and 7-1/2 ips (15 ips optional)

**Wow/Flutter:** Less than 0.04% RMS at 7-1/2 ips

**Frequency Response:** 30 to 28,000 Hz ( $\pm 3$  dB) at 7-1/2 ips

**Distortion:** Within 1.5% (1,000 Hz "0" VU Recording) at 7-1/2 ips

**S/N Ratio:** Better than 55 dB at 7-1/2 ips

**Transistors:** 46

**Reel Capacity:** Up to 7" reel

**Dimensions:** 16-1/4"(W)  $\times$  18-1/2"(H)  $\times$  11-1/8"(D) (410  $\times$  470  $\times$  280 mm)

**Weight:** 56 lbs. (25.5 kg)

# X-3300

MULTI-PURPOSE STEREO TAPE DECK  
WITH PROGRAM MINDER



■ 4-TRACK STEREO/MONAUROAL RECORDING/PLAYBACK SYSTEM   ■ AUTOMATIC CONTINUOUS REVERSE  
■ CROSS-FIELD HEAD   ■ FOUR HEADS   ■ UP TO 10-1/2" REEL CAPACITY   ■ 24 HOURS HI-FI STEREO PLAYBACK   ■ MAGNETIC BRAKE   ■ THREE MOTORS

## SPECIFICATIONS

**Tape Speed:** 1-7/8, 3-3/4 and 7-1/2 ips

**Wow/Flutter:** Less than 0.04% RMS at 7-1/2 ips

**Frequency Response:** 30 to 23,000 Hz ( $\pm 3$  dB) at 7-1/2 ips

**Distortion:** Within 1.5% (1,000 Hz "0" VU Recording) at 7-1/2 ips

**S/N Ratio:** Better than 50 dB

**Transistors:** 19

**Dimensions:** 17-1/8" (W)  $\times$  14-3/4" (H)  $\times$  9-3/8" (D) (436  $\times$  375  $\times$  238 mm)

**Weight:** 47.3 lbs. (21.5 kg)

# 2500

THREE MOTORS/FOUR HEADS/AUTO  
REVERSE TAPE DECK



■ 4-TRACK STEREO/MONAUROAL RECORDING/PLAYBACK SYSTEM ■ AUTOMATIC CONTINUOUS REVERSE ■ THREE SPEED SERVO-CONTROLLED OUTER-ROTOR MOTOR WITH DIRECT CAPSTAIN DRIVE ■ AUTOMATIC TAPE LIFTER ■ REEL RETAINERS ■ AUTOMATIC STOP/SHUT-OFF ■ PAUSE BUTTON WITH LOCK ■ EASY SOUND-ON-SOUND OPERATION ■ REMOTE CONTROL WITH RC-16 REMOTE CONTROL UNIT

## SPECIFICATIONS

**Tape Speed:** 1-7/8, 3-3/4 and 7-1/2 ips

**Wow/Flutter:** Less than 0.08% RMS at 7-1/2 ips

**Frequency Response:** 30 to 22,000 Hz ( $\pm 3$  dB) at 7-1/2 ips

**Distortion:** Within 2% at 7-1/2 ips (1,000 Hz "0" VU Recording)

**S/N Ratio:** Better than 50 dB

**Transistors:** 34

**Dimensions:** 17.1"(W)  $\times$  18.1"(H)  $\times$  10.1"(D) (435  $\times$  460  $\times$  260 mm)

**Weight:** 44.1 lbs. (20 kg)

# X-2000

THREE MOTOR AUTO-REVERSE  
CUSTOM DECK



- 4-TRACK STEREO/MONAUROAL RECORDING/PLAYBACK SYSTEM
- CROSS-FIELD HEAD
- THREE MOTORS
- SENSING TAPE OR MANUAL REVERSE
- SLIDE TYPE RECORDING LEVEL CONTROLS

## SPECIFICATION

**Tape Speed:** 1-7/8, 3-3/4 and 7-1/2 ips

**Wow/Flutter:** Less than 0.08% RMS at 7-1/2 ips

**Frequency Response:** 40 to 22,000 Hz ( $\pm 3$  dB) at 7-1/2 ips

**Distortion:** Within 2% (1,000 Hz "0" VU Recording)

**S/N Ratio:** Better than 50 dB

**Transistors:** 14

**Dimensions:** 14"(W)  $\times$  14"(H)  $\times$  8-7/8"(D) (358  $\times$  358  $\times$  227 mm)

**Weight:** 37.4 lbs. (17 kg)

# X-165D

CROSS-FIELD HEAD STEREO  
CUSTOM DECK



■ 4-TRACK STEREO/MONAUROAL RECORDING/PLAYBACK  
SYSTEM ■ CROSS-FIELD HEAD ■ HYSTERESIS SYNCHRO-  
NOUS 2-SPEED MOTOR ■ ALL SILICON TRANSISTORIZED  
PREAMPLIFIER

## SPECIFICATION

**Tape Speed:** 1-7/8, 3-3/4 and 7-1/2 ips (15 ips optional)

**Wow/Flutter:** Less than 0.12% RMS at 7-1/2 ips

**Frequency Response:** 30 to 20,000 Hz ( $\pm 3$  dB) at 7-1/2 ips

**Distortion:** Within 3% (1,000 Hz "0" VU Recording)

**S/N Ratio:** Better than 50 dB

**Transistors:** 12 Silicon transistors

**Dimensions:** 13-1/2" (W)  $\times$  13-1/2" (H)  $\times$  9" (D) (340  $\times$  340  $\times$  230 mm)

**Weight:** 30.8 lbs. (14 kg)

# 4000D

## THREE HEAD STEREO TAPE DECK



- 4-TRACK STEREO/MONAUROAL RECORDING/PLAYBACK SYSTEM
- ONE MICRON GAP HEAD
- THREE HEADS
- ALL SILICON TRANSISTORIZED PREAMPLIFIER

### SPECIFICATIONS

**Tape Speed:** 3-3/4 and 7-1/2 ips

**Wow/Flutter:** Less than 0.15% RMS at 7-1/2 ips

**Frequency Response:** 30 to 20,000 Hz ( $\pm 3$  dB) at 7-1/2 ips

**S/N Ratio:** Better than 50 dB

**Distortion:** Less than 2% (1,000 Hz "0" VU Recording)

**Transistors:** 17

**Dimensions:** 15-7/8" (W)  $\times$  12-3/8" (H)  $\times$  7-1/2" (D) (405  $\times$  315  $\times$  180 mm)

**Weight:** 25.3 lbs. (11.5 kg)

# CR-80D

## 8-TRACK STEREO CARTRIDGE TAPE DECK



- ONE MICRON GAP HEAD
- UNIVERSAL VOLTAGE SELECTOR
- SOLID STATE PREAMPLIFIER WITH TWO IC

### SPECIFICATIONS

**Tape Speed:** 3-3/4 ips

**Wow/Flutter:** Less than 0.25% RMS

**Frequency Response:** 50 to 16,000 Hz ( $\pm 3$  dB)

**S/N Ratio:** Better than 47 dB

**Transistors:** 12

**Dimensions:** 13-1/2" (W)  $\times$  5-1/2" (H)  $\times$  10" (D) (345  $\times$  135  $\times$  250 mm)

**Weight:** 17.4 lbs. (7.9 kg)

# CS-500

## SUPER CASSETTE STEREO TAPE DECK



- 4-TRACK STEREO RECORDING/PLAYBACK SYSTEM
- AUTOMATIC REVERSING SYSTEM (Invert-O-matic)
- AUTOMATIC SHUT-OFF    ■ AUTOMATIC STOP    ■ ONE MICRON GAP HEAD    ■ SLOT LOADING SYSTEM    ■ TWO HOURS STEREO RECORDING CAPACITY USING A C-120 CASSETTE TAPE

### SPECIFICATIONS

**Tape Speed:** 1-7/8 ips

**Tape Speed Deviation:** Within  $\pm 2\%$

**Wow/Flutter:** Less than 0.2% RMS

**Frequency Response:** 30 to 16,000 Hz ( $\pm 3$  dB)

**Distortion:** Within 2% (1,000 Hz "0" VU Recording)

**S/N Ratio:** Better than 45 dB

**Motor:** Outer-rotor synchronous motor

**Transistors:** 11 Silicon transistors

**IC:** 2

**Dimensions:** 15"(W)  $\times$  6-1/4"(H)  $\times$  11-1/4"(D) (375  $\times$  160  $\times$  287 mm)

**Weight:** 15.8 lbs. (7.84 kg)

For Family .....

# VT-100



# AA-8500

## SOLID STATE FM/AM MULTIPLEX STEREO TUNER AMPLIFIER



■ OUTPUT POWER: TOTAL 240W ■ NEW DIAL MECHANISM  
■ FET AND SPACE DEVELOPED IC ■ AFC ON/OFF  
SWITCH ■ SPEAKER SYSTEM SELECTOR ■ USE OF  
MULTI-CHANNEL POSSIBLE

### SPECIFICATIONS

#### Tuner Section(FM)

**Frequency Range:** 88 to 108MHz

**Sensitivity:**  $2.0\mu\text{V}$ (IHF)

**S/N Ratio:** Better than 70 dB

**Selectivity:** Better than 65 dB

#### Tuner Section(AM)

**Frequency Range:** 535 to 1,605 kHz

**Sensitivity(IHF):**  $10\mu\text{V}$  at 1 MHz

**S/N Ratio:** Better than 55 dB

**Selectivity:** Better than 25 dB

#### Amplifier Section:

**Frequency Response:** 20 to 50,000 Hz(— 3 dB)

**Output Power:** 240 W at music power

**Dimensions:** 19-1/4"(W) × 7"(H) × 14-1/2"(D) (487 × 165 × 346 mm)

**Weight:** 35.3 lbs(16 kg)

# AA-8000

## SOLID STATE FM/AM MULTIPLEX STEREO TUNER AMPLIFIER



- OUTPUT POWER: TOTAL 120W
- AFC ON/OFF SWITCH
- SPEAKER SYSTEM SELECTOR
- BEAUTIFULLY FINISHED METALLIC FRONT PANEL

### SPECIFICATIONS

#### Tuner Section(FM)

**Frequency Range:** 88 to 108 MHz

**Sensitivity:**  $2.0\mu\text{V}$  (IHF)

**S/N Ratio:** Better than 60 dB

#### Tuner Section(AM)

**Frequency Range:** 530 to 1,605 kHz

**Sensitivity(IHF):**  $20\mu\text{V}$  at 1 MHz

**S/N Ratio:** Better than 40 dB

#### Amplifier Section

**Frequency Response:** 20 to 50,000 Hz (— 3 dB)

**Output Power:** 120W at music power

**Dimensions:** 18-1/8"(W) × 5-1/2"(H) × 14"(D) (460 × 140 × 355 mm)

**Weight:** 33 lbs(15 kg) without cabinet

AA-8000S (without case)

AA-8000W (with wooden case)

# AA-6600

## SOLID STATE FM / AM MULTIPLEX TUNER AMPLIFIER



- SPEAKER SELECTOR    ■ FM CENTER TUNING METER
- FM/AM STRENGTH SIGNAL METER
- SPEAKER SYSTEM SELECTOR

### SPECIFICATIONS

#### Tuner Section(FM)

**Frequency Range:** 88 to 108 MHz

**Sensitivity:**  $2.0\mu\text{V}$  (IHF)

**S/N Ratio:** Better than 60 dB

**Selectivity:** Better than 50 dB

#### Tuner Section(AM)

**Frequency Range:** 535 to 1,605 kHz

**Sensitivity(IHF):**  $20\mu\text{V}$  at 1 MHz

**S/N Ratio:** Better than 45 dB

**Selectivity:** Better than 20 dB

#### Amplifier Section:

**Frequency Response:** 20 to 50,000 Hz (— 3 dB)

**Output Power:** 120W at music power

**Dimensions:** 17-1/2"(W) × 5-1/4"(H) × 13-3/8"(D)    (445 × 133 × 340 mm)

**Weight:** 24.4 lbs(11 kg)

# AA-6300

## SOLID STATE FM/AM MULTIPLEX STEREO TUNER AMPLIFIER



■ OUTPUT POWER: TOTAL 80W    ■ FET FRONT END FOR  
EXTRA FM SENSITIVITY    ■ FM/AM STRENGTH SIGNAL  
METER    ■ SPEAKER SYSTEM SELECTOR

### SPECIFICATIONS

#### Tuner Section(FM)

**Frequency Range:** 88 to 108 MHz

**Sensitivity:**  $2.0\mu\text{V}$  (IHF)

**S/N Ratio:** Better than 65 dB

**Selectivity:** Better than 50 dB

#### Tuner Section(AM)

**Frequency Range:** 535 to 1,605 kHz

**Sensitivity(IHF):**  $20\mu\text{V}$  at 1 MHz

**S/N Ratio:** Better than 50 dB

**Selectivity:** Better than 20 dB

#### Amplifier Section:

**Frequency Response:** 20 to 40,000 Hz (— 3 dB)

**Output Power:** 80W at music power

**Dimensions:** 17-1/2"(W) × 5-3/4"(H) × 13-1/2"(D) (445 × 133 × 340 mm)

**Weight:** 22.5 lbs(10.4 kg)

# AA-6000

## SOLID STATE STEREO PRE/MAIN AMPLIFIER



- 120W MUSIC POWER
- UNIVERSAL TYPE VOLTAGE SELECTOR
- 26 SILICON TRANSISTORS
- BEAUTIFULLY FINISHED METALLIC FRONT PANEL

### SPECIFICATIONS

**Output Power:** 120W at music power

**Frequency Response:** 20 to 50,000 Hz (— 3 dB)

**Input Sensitivity:** 3 mV, 50 k $\Omega$  (PHONO)

150 mV, 100 k $\Omega$  (AUX)

200 mV, 200 k $\Omega$  (TAPE)

**S/N Ratio:** Better than 65 dB (PHONO)

Better than 70 dB (TAPE AUX)

**Harmonic Distortion:** Less than 0.2% (45W/8 $\Omega$ , 1 kHz)

**Residual Noise:** 2 mV (80 dB)

**Transistors:** 26 Silicon transistors

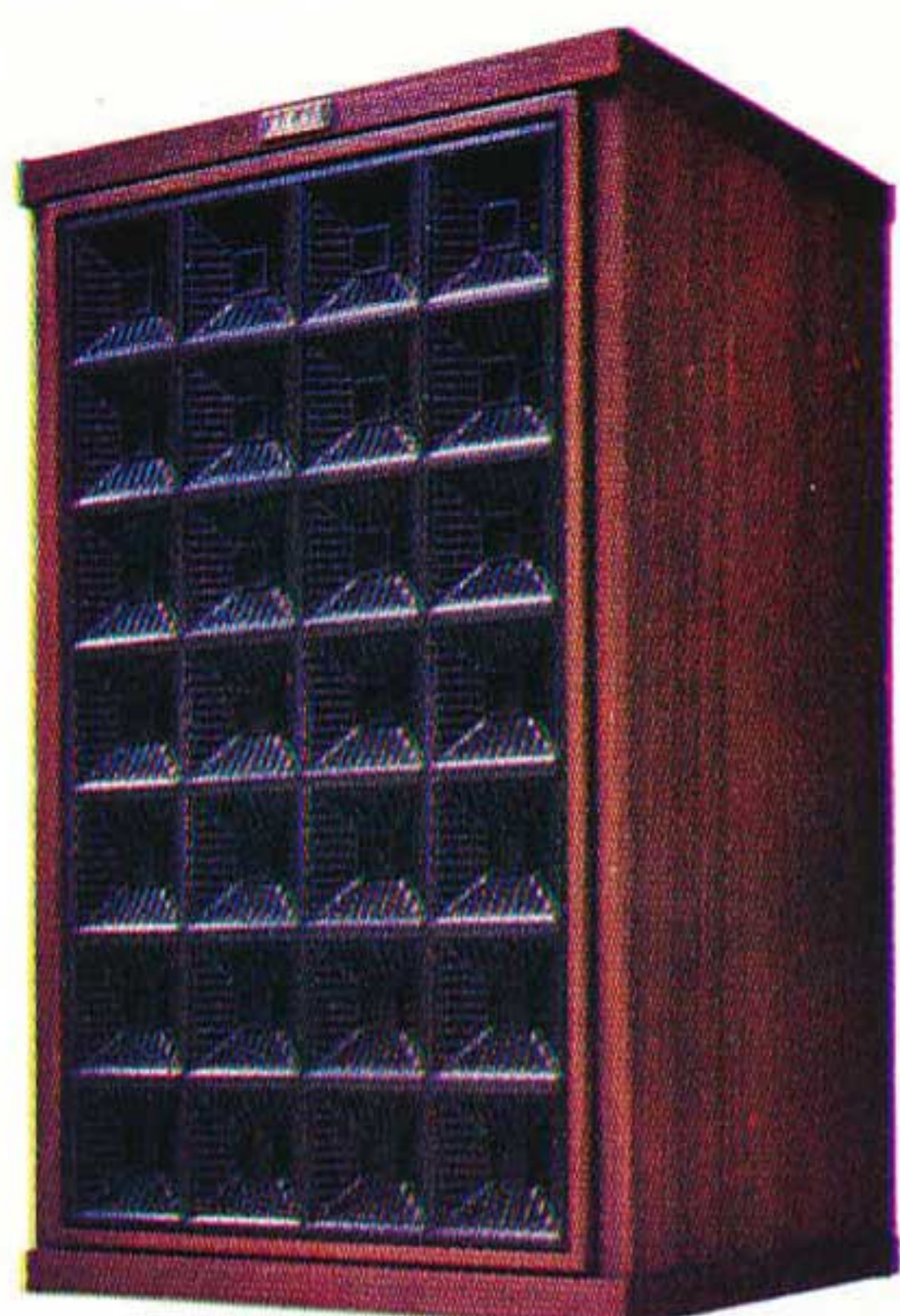
**Dimensions:** 15-7/8" (W)  $\times$  6-1/4" (H)  $\times$  11-3/8" (D) (405  $\times$  160  $\times$  290 mm)

**Weight:** 24.2 lbs (11 kg)

For Reporting .....

**VT-100**





## SW-180

### SPECIFICATIONS

12" Linear travel piston edge woofer  
 3-1/2" × 11-1/2" midrange, two 2" tweeters

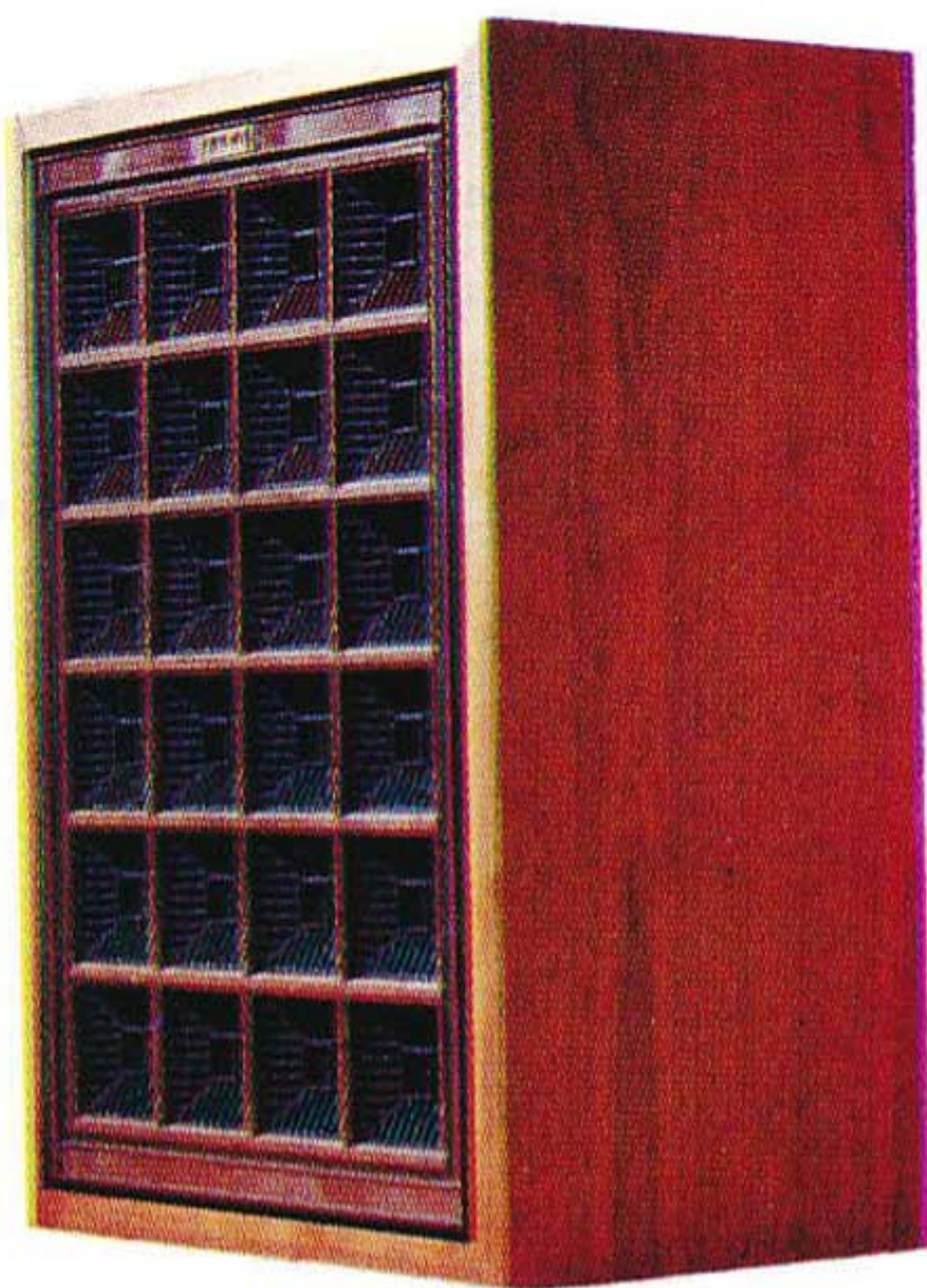
**Impedance:** 8Ω

**Max. power input:** 60W

**Frequency response:** 23 to 22,000 Hz

**Dimensions:** 18-3/4" (W) × 30-5/8" (H) × 15-3/4" (D) (475 × 777 × 400 mm)

**Weight:** 70.4 lbs. (32 kg each)



## SW-170

### SPECIFICATIONS

15" LTP edge woofer  
 5-1/4" midrange  
 2-1/8" × 2-7/16" horn tweeter  
 3" super tweeter  
 Two 3-1/2" super dome tweeters

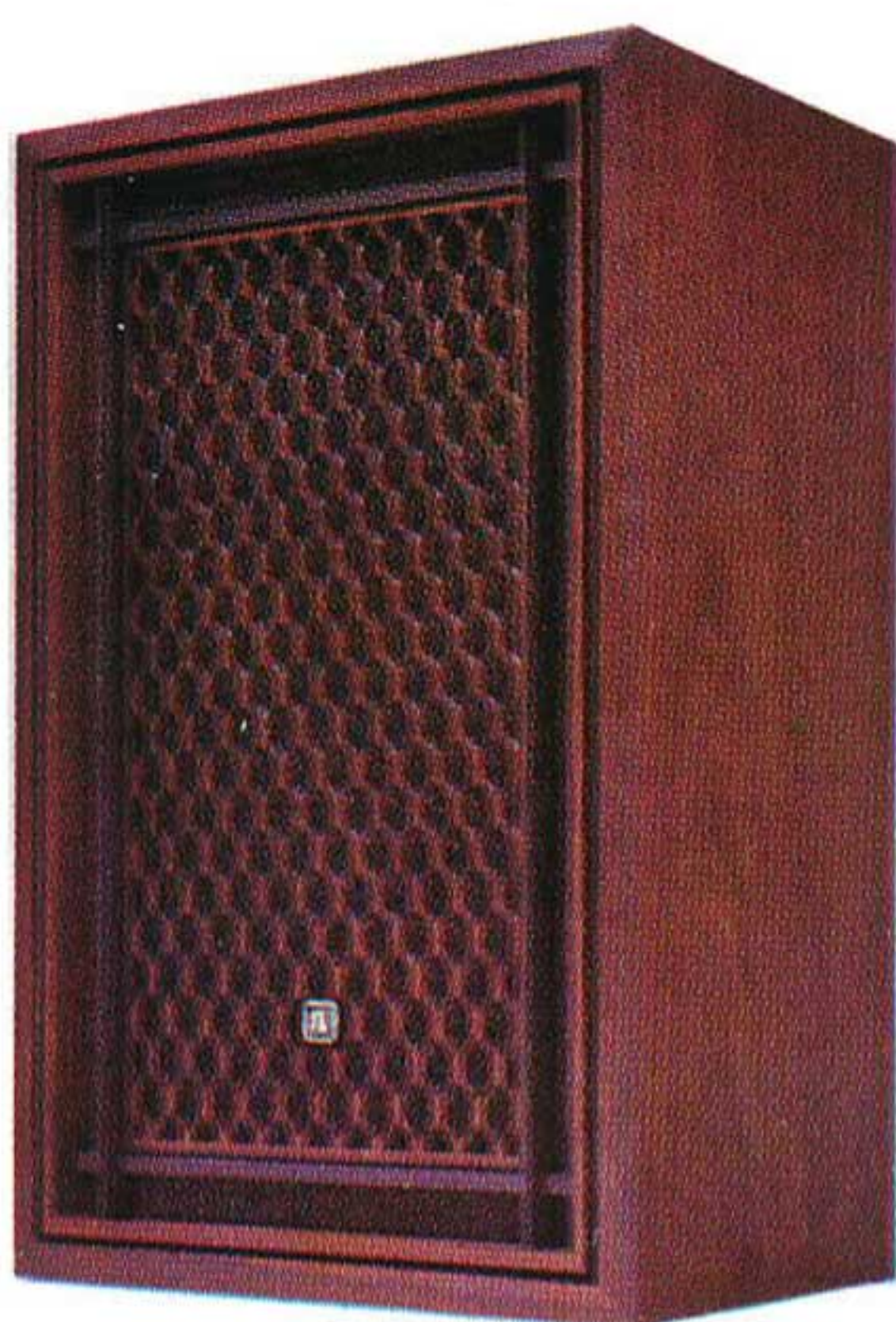
**Rated impedance:** 8Ω

**Maximum power input:** 80W

**Frequency response:** 20 to 23,000 Hz

**Dimensions:** 17" (W) × 24-1/2" (H) × 11-1/8" (D) (425 × 620 × 280mm)

**Weight:** 49.3 lbs. (22.4 kg)



# SW-155

## SPECIFICATIONS

12" Roll edge woofer, 5" midrange, 2-1/2" tweeter, 2" horn type super tweeter

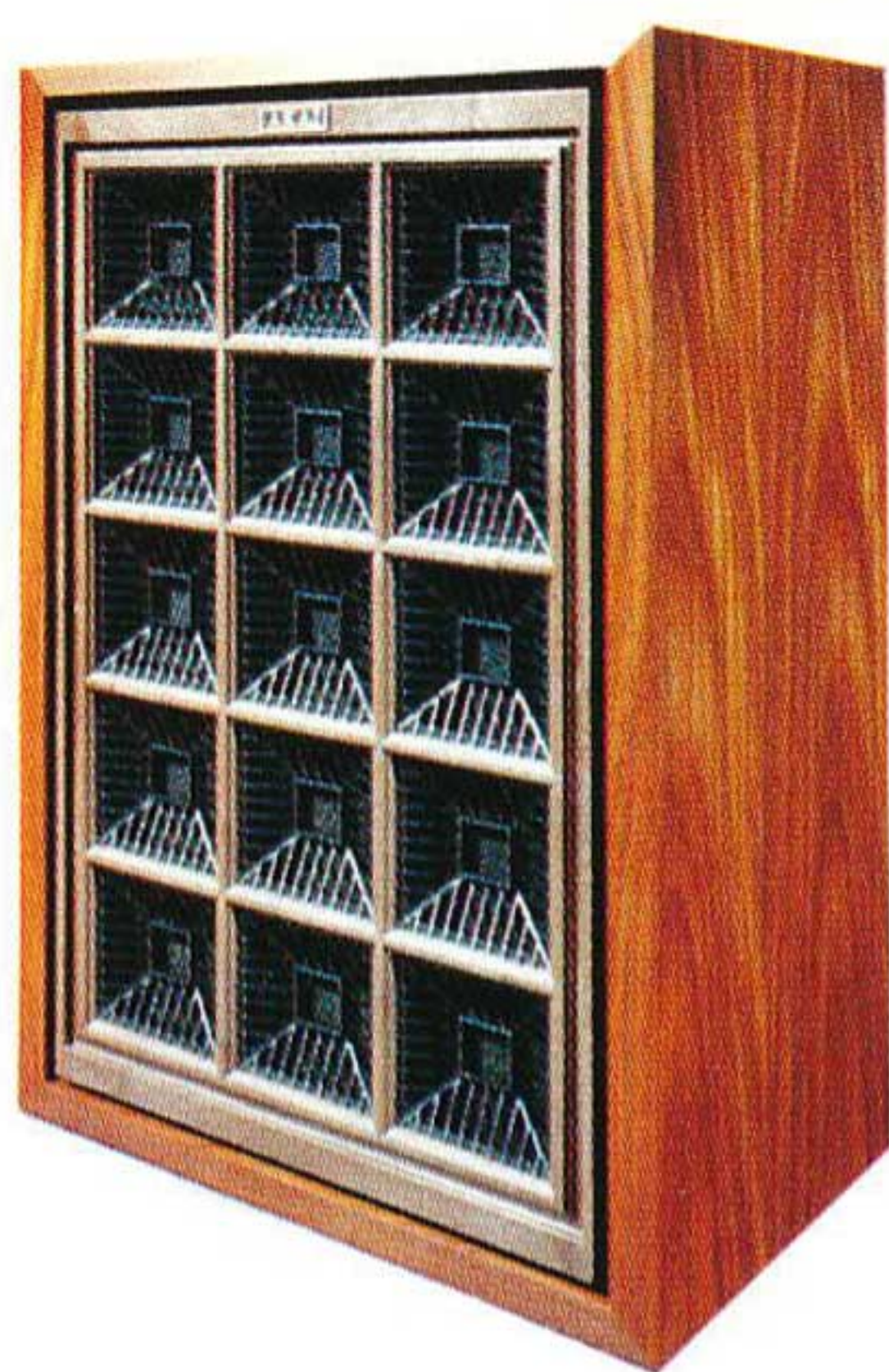
**Impedance:** 8Ω

**Max. power input:** 50W

**Frequency response:** 25 to 21,000 Hz

**Dimensions:** 16"(W) × 25-1/4"(H) × 11-3/4"(D) (406 × 640 × 300 mm)

**Weight:** 35.2 lbs. (17.6 kg each)



# SW-145

## SPECIFICATIONS

12" Roll Edge Woofer, 5" Midrange, 2-1/2" Tweeter, 2" Horn Type Super Tweeter.

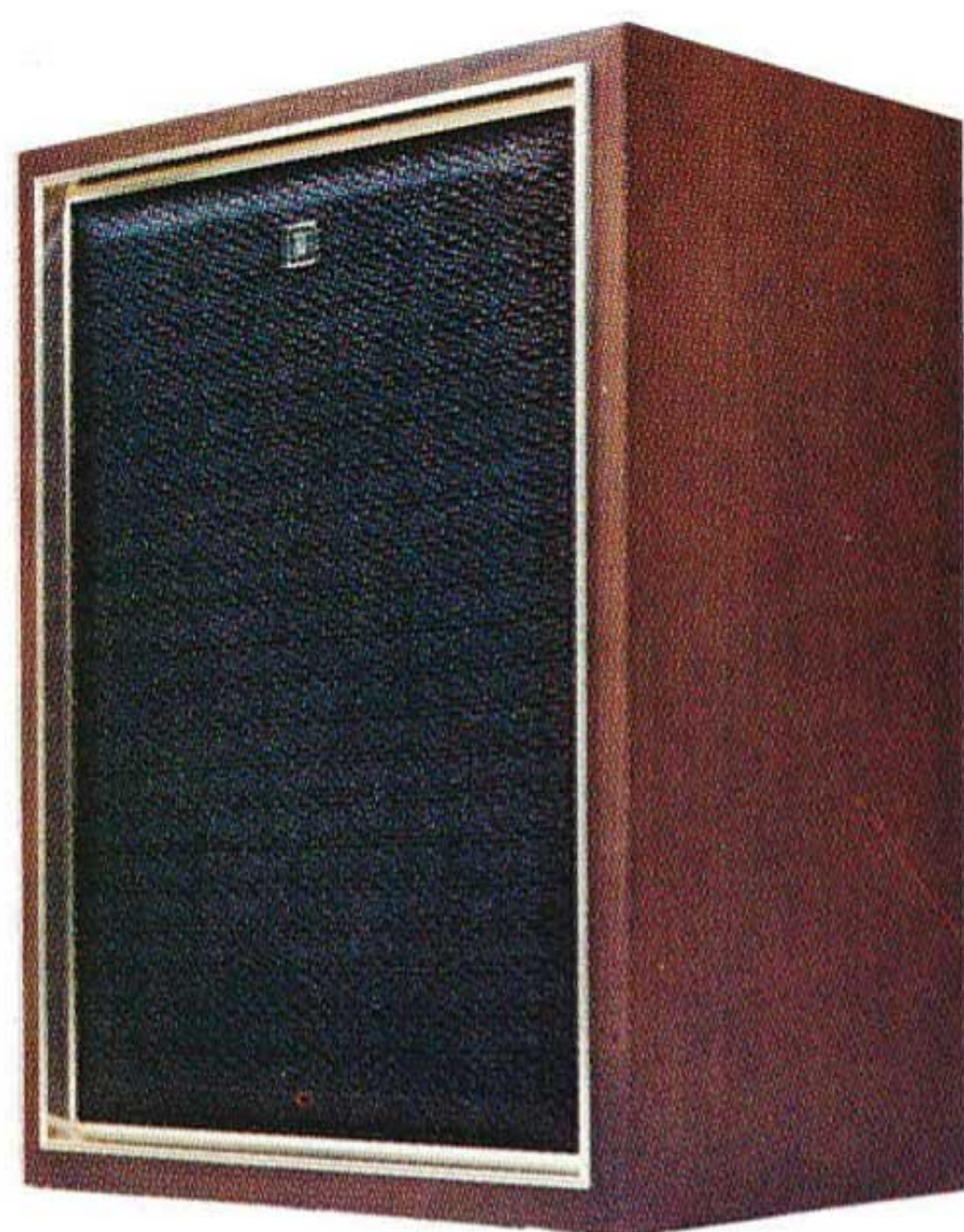
**Impedance:** 8Ω

**Max. power input:** 50W(Music Power)

**Frequency response:** 25 to 21,000 Hz

**Dimensions:** 15.2"(W)×23.8"(H)×11.8"(D) (380×595×295 mm)

**Weight:** 32 lbs. (14.54 kg each)



# SW-130

## SPECIFICATIONS

12" Woofer and 3-1/2" tweeter

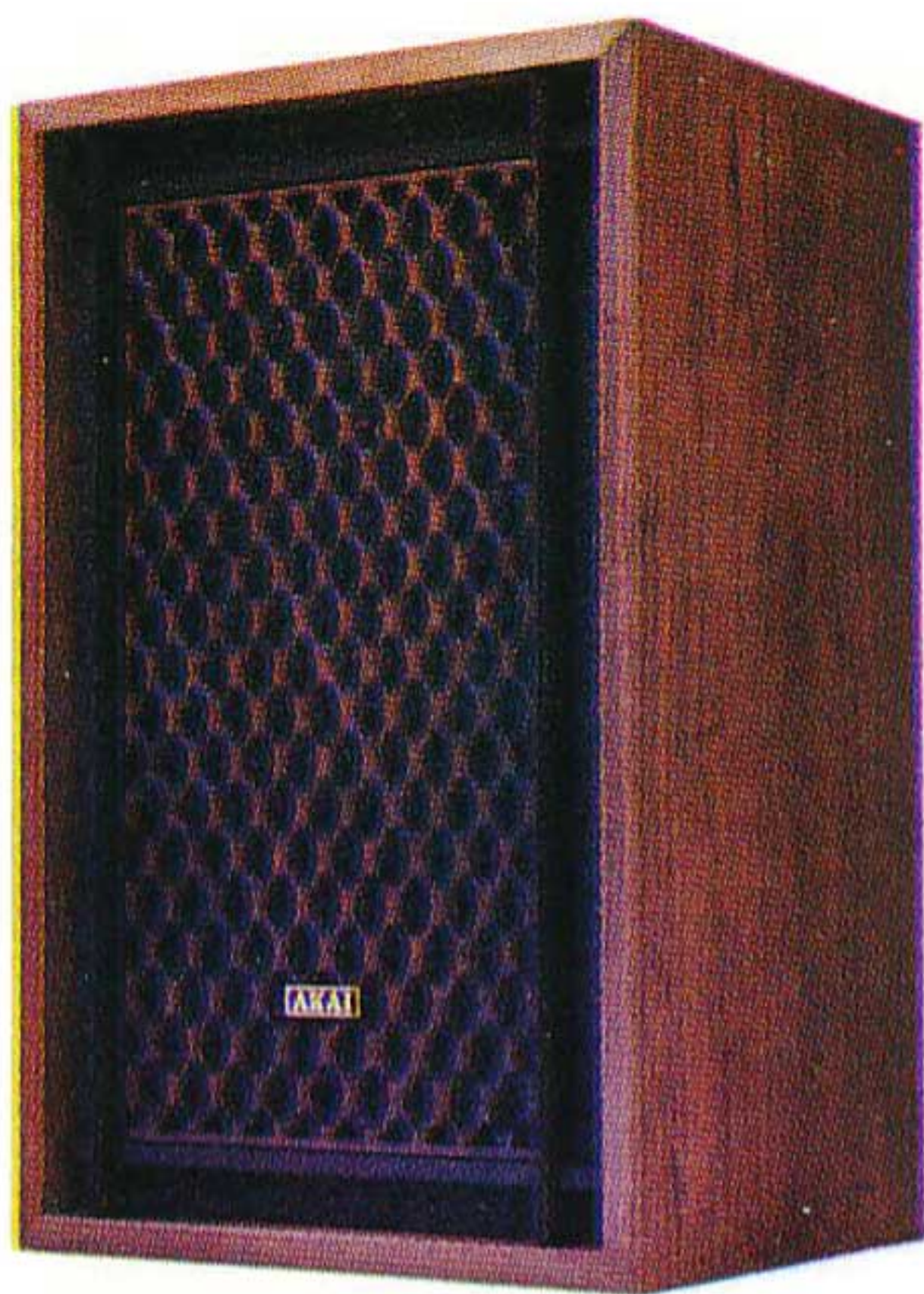
**Impedance:** 8Ω

**Max. power input:** 25W

**Frequency response:** 50 to 18,000 Hz

**Dimensions:** 16-1/2"(W)×22-1/2"(H)×12-1/8"(D) (420×570×310 mm)

**Weight:** 28.9 lbs. (13.1 kg each)



# SW-125

## SPECIFICATIONS

10" Linear travel piston edge woofer, 5" midrange, 2" tweeter

**Impedance:** 8Ω

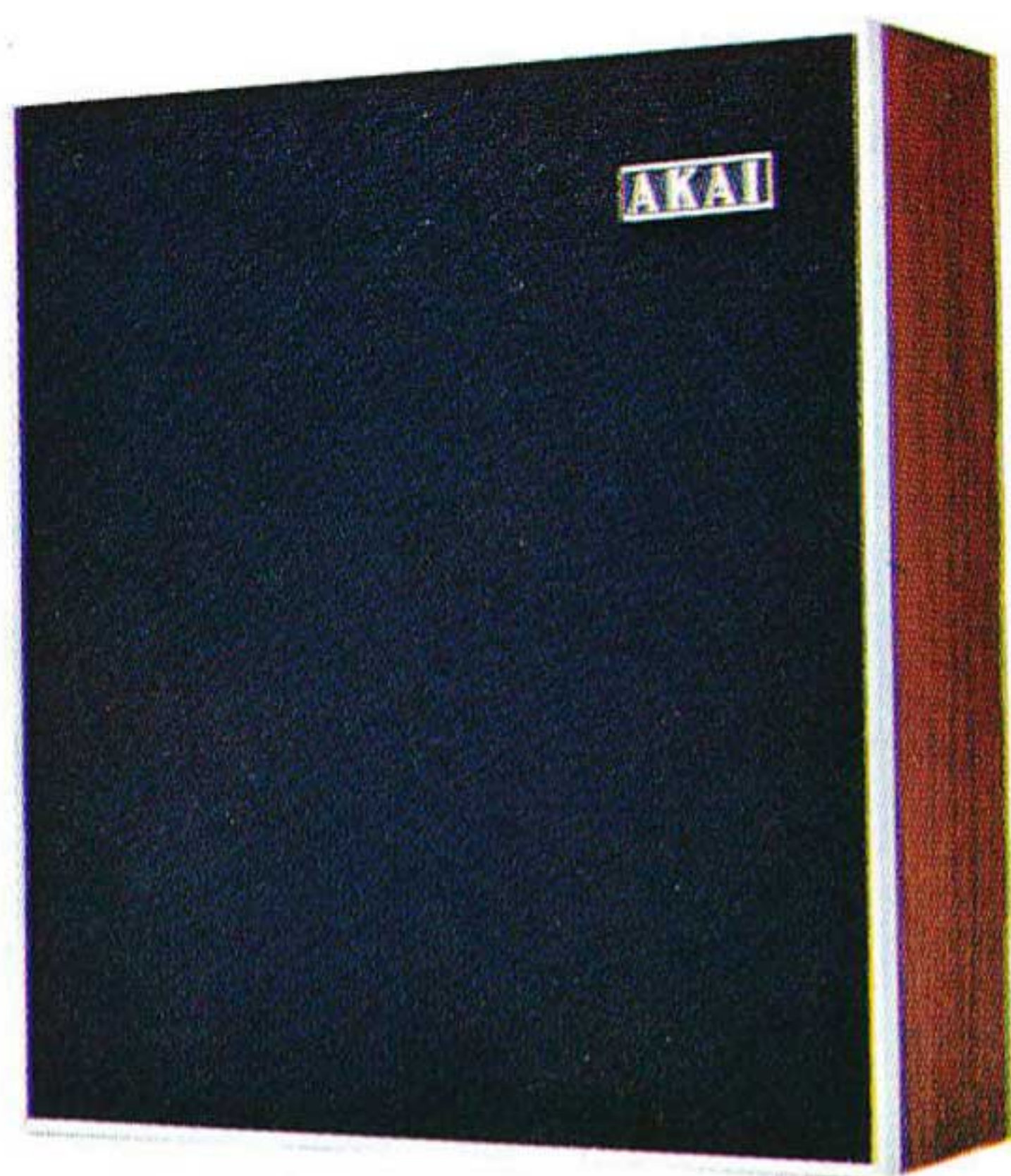
**Max. power input:** 30W

**Frequency response:** 40 to 20,000 Hz

**Dimensions:** 13-7/8"(W) × 21"(H) × 11-5/8"(D) (350 × 560 × 295 mm)

**Weight:** 24.2 lbs. (11. kg each)





# SW-65

## SPECIFICATIONS

6-1/2" Double cone speaker

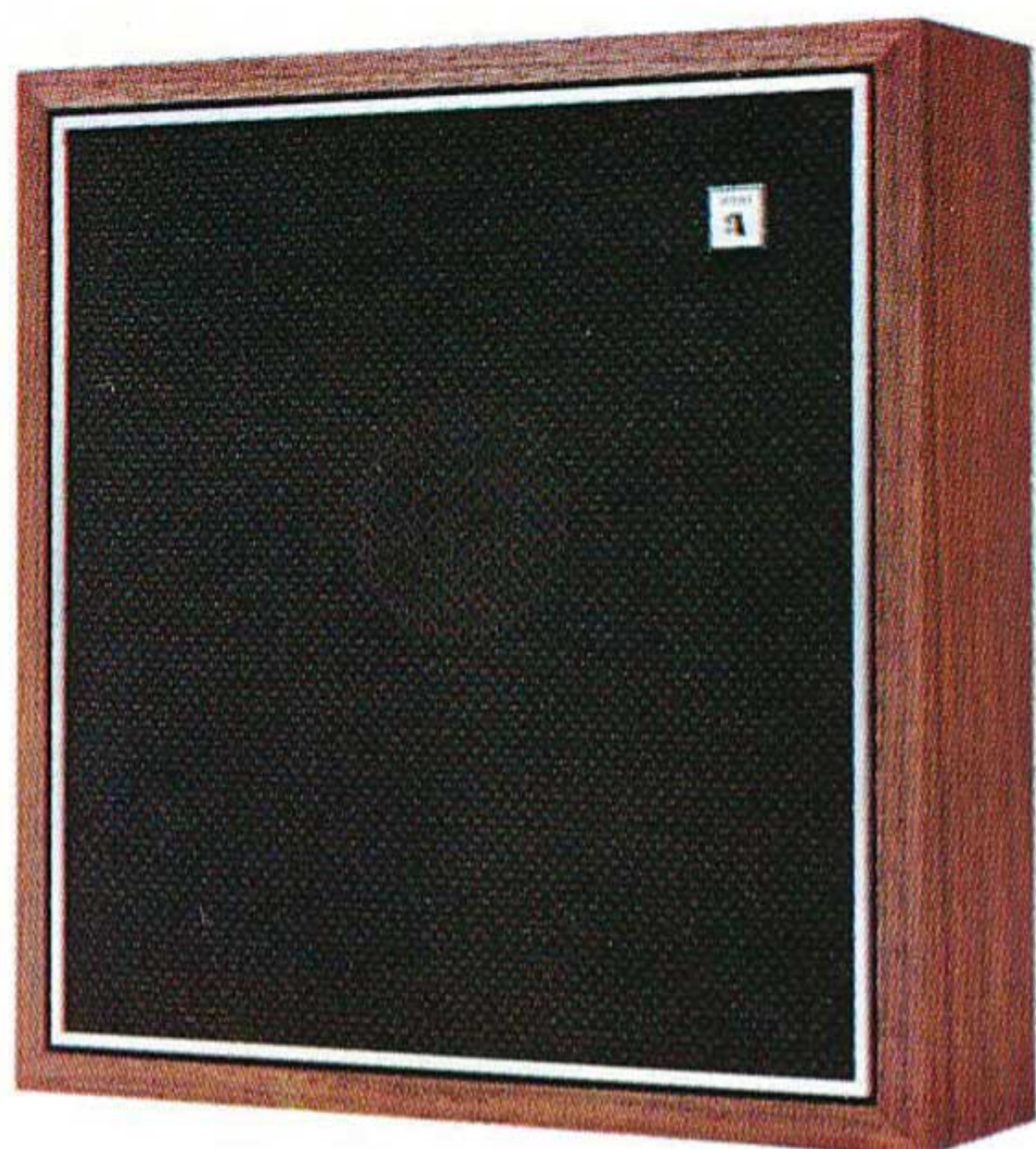
**Impedance:** 8Ω

**Max.power input:** 10W

**Frequency response:** 60 to 15,000 Hz

**Dimensions:** 14-1/4" (W) × 15-3/4" (H) × 4-7/8" (D) (360 × 400 × 123 mm)

**Weight:** 18.2 lbs. (8 kg/set)



# SW-50

## SPECIFICATIONS

5" High compliance speaker

**Impedance:**  $8\Omega$

**Max. power input:** 10W

**Frequency response:** 70 to 15,000 Hz

**Dimensions:** 13-1/2" (W)  $\times$  14-1/8" (H)  $\times$  4-1/4" (D) (342  $\times$  360  $\times$  107 mm)

**Weight:** 13.2 lbs. (6 kg/set)



# SW-30

## SPECIFICATIONS

4" full range high compliance speaker

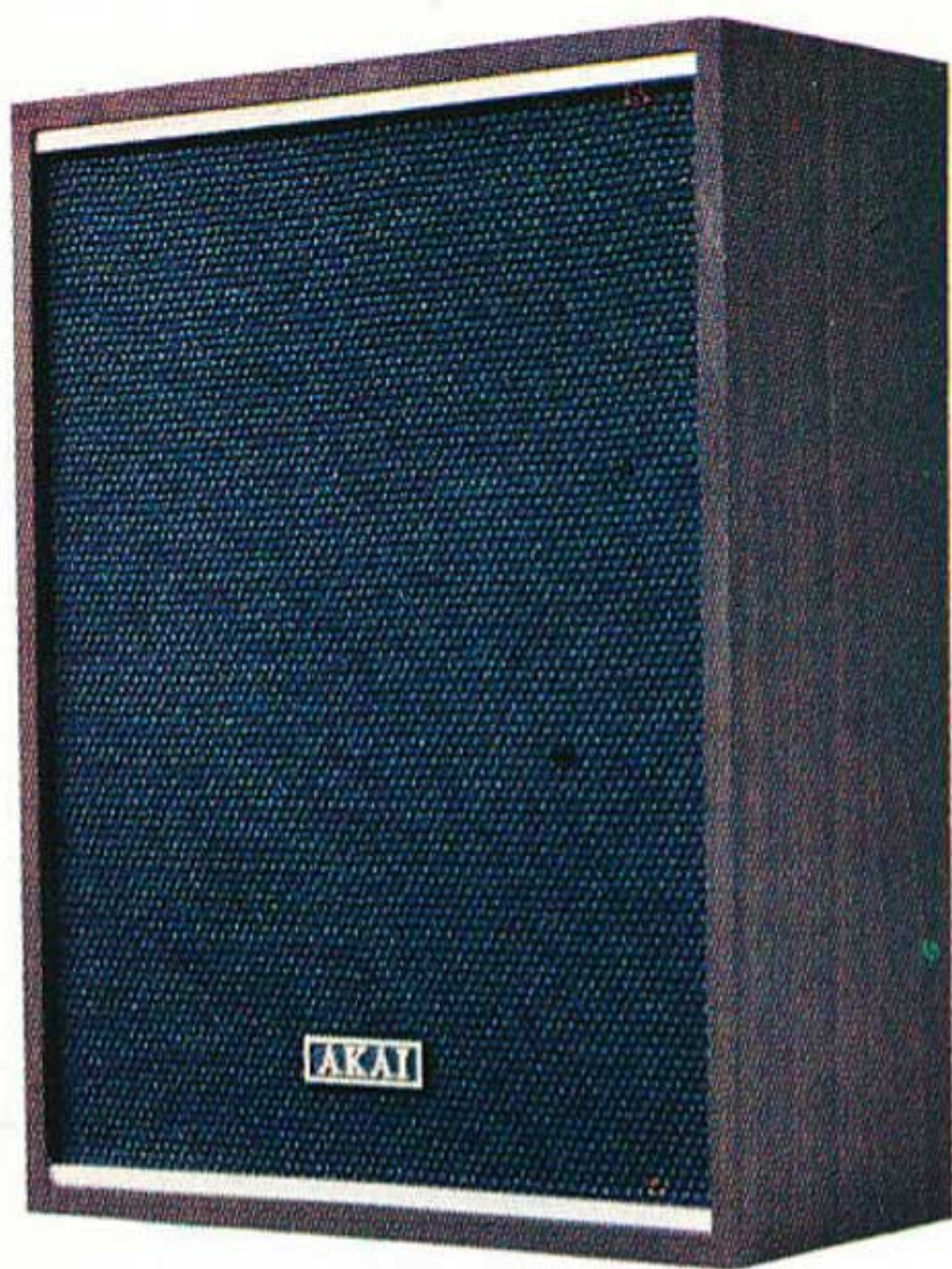
**Rated impedance:**  $8\Omega$

**Maximum power input:** 10W

**Frequency response:** 50 to 17,000 Hz

**Dimensions:** 14-3/8" (H)  $\times$  5-3/8" (W)  $\times$  10-1/2" (D) (365  $\times$  140  $\times$  270 mm)

**Weight:** 6-1/4 lbs. (2.9 kg)



# CSS-8

## SPECIFICATIONS

5" High compliance speaker

**Impedance:**  $8\Omega$

**Max. power input:** 10W

**Frequency response:** 70 to 18,000 Hz

**Dimensions:** 10"(W)  $\times$  13"(H)  $\times$  4.8"(D) (250  $\times$  330  $\times$  120 mm)

**Weight:** 4.6 lbs. (2.1 kg)



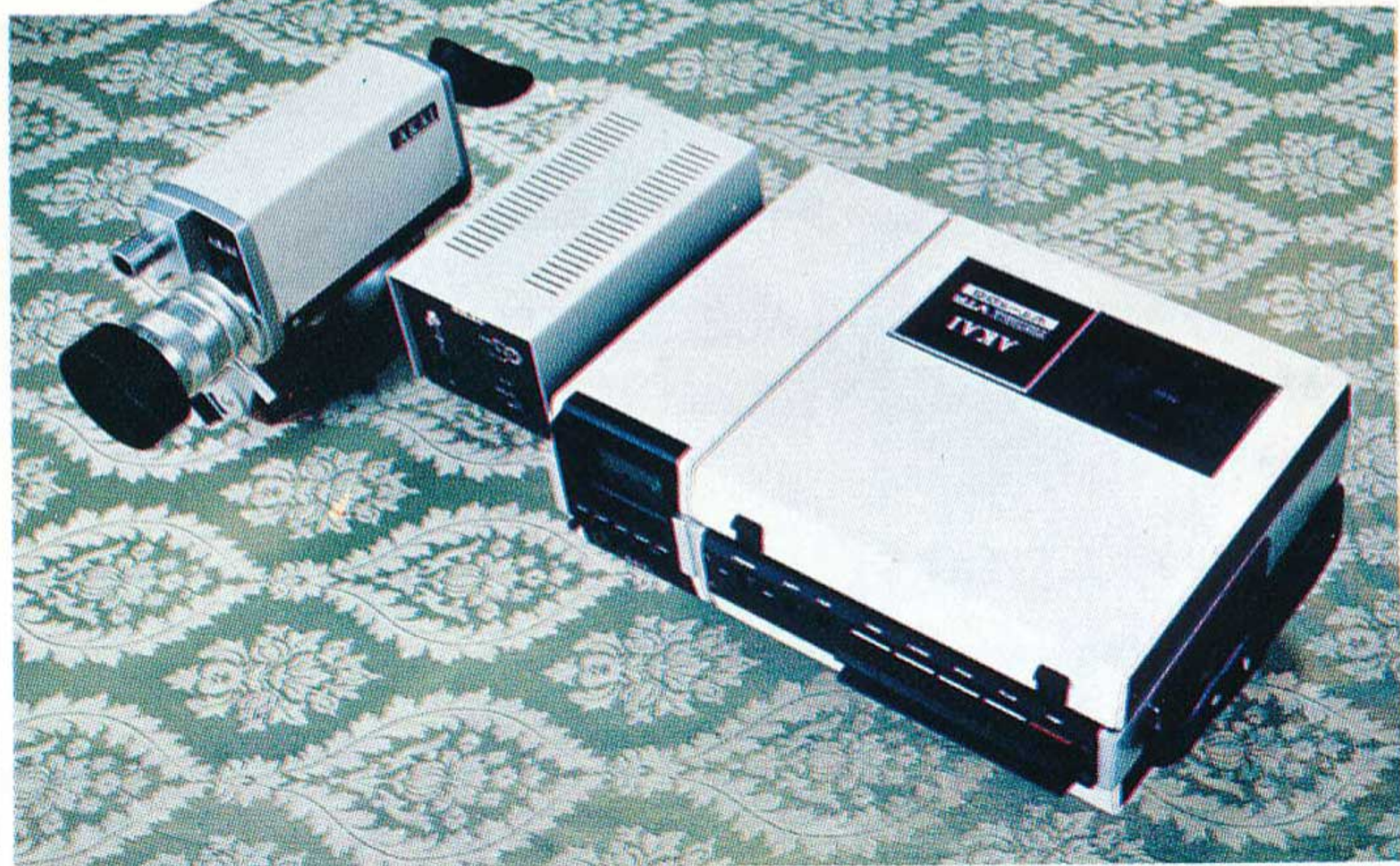
For Travel.....

# VT-100



# VT-100

## THE WORLD'S MOST COMPACT PORTABLE VIDEO TAPE RECORDER



With the 1/4" video tape, the VT-100 records every scene focused by the camera together with the sound picked up with the built-in microphone on the camera. AC adapter and battery charger unit included.

### VTR(VT-100)

■ TWIN ROTATING HEADS (180° SPACING) ■ FREQUENCY MODULATION VIDEO SIGNAL RECORDING SYSTEM

### SPECIFICATIONS

**Video Recording System:** U.S.A. Standard TV Signal (also available for C.C.I.R. Standard), Frequency Modulation Video Signal Recording System

**Recording Time:** 20 minutes using a 1,200 ft 0.57 mil tape

**Tape Speed:** 11-1/4 ips

**Tape Width:** 1/4" magnetic tape

**Resolution:** 200 lines

**Video Input:** 1.4V p-p at 75Ω

**Audio Input:** -65 dB at 600Ω

**Audio Band Width:** 100 to 10,000 Hz

**Audio S/N Ratio:** Better than 38 dB

**Video S/N Ratio:** Better than 40 dB

**Power Source:** DC 12V

Two rechargeable 6V DC type D batteries

**Dimensions:** 10"(W) × 4.4"(H) × 10.3"(D) (255 × 112 × 263 mm)

**Weight:** 10 lbs. (4.6 kg) VTR only

# VIDEO MONITOR (VM-100)

■ 3" PICTURE TUBE, DEFLECTION ANGLE 50°

## SPECIFICATIONS

**Video input:** 1.4V p-p(neg. sync.) at 75Ω  
**Audio input:** — 20 dB 5 KΩ  
**Speaker:** 3× 1.7"( 75× 44 mm)  
**Max.audio output:** 120 mV  
**Power source:** DC 12V (supplied from VT-100)  
**Dimensions:** 3.8"(W)× 4.4"(H)× 10.3"(D) ( 98× 112× 263 mm)  
**Weight:** 3.7 lbs. ( 1.69 kg)

# VIDEO CAMERA (VC-100)

■ 2/3" VIDICON, INTERLACE EXTERNAL SYNCHRONOUS SCANNING SYSTEM (SYNCHRONOUS SIGNAL SUPPLIED FROM VT-100)

## SPECIFICATIONS

**Horizontal resolution:** More than 400 lines  
**Video signal S/N ratio:** Better than 40 dB  
**Video output:** 1.4V p-p composite signal  
**Iris:** E-E system with manual 2-point change system  
**Iris of lens:** F 1.8, F 5.6 (changeable)  
**Lens:** 10-40 mm Zoom F 1.8  
**View finder:** One-eye reflex system  
**Power source:** DC 9V (supplied from VT-100)  
**Microphone:** 600Ω uni-directional built-in microphone  
**Dimensions:** 3"(W)× 4.4"(H)× 7.3"(D) ( 75× 113× 187 mm)  
**Weight:** 4.1 lbs. ( 1.9 kg) with grip

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## VT-100 STANDARD ACCESSORIES

|                                          |   |
|------------------------------------------|---|
| Leather Carrying Strap .....             | 1 |
| Adapter/Recorder Connection Cord .....   | 1 |
| Camera/Recorder Connection Cable .....   | 1 |
| 5" Reel Video Tape .....                 | 1 |
| 5" Empty Reel .....                      | 1 |
| 6V Type D Batteries (rechargeable) ..... | 2 |
| Spare Fuse .....                         | 1 |
| Operator's Manual .....                  | 1 |

# VT-100 OPTIONAL ACCESORIES

## VOA-1 Carrying Case



## VOA-2 Camera/Accessory Case



## VOA-3 Car Cord



## VOA-4 Monitor Cord (for 12" TV Connection)



## VOA-5 Earphone (600Ω)



## VOA-6 Tripod



## VOA-7 External Microphone with Stand (600Ω)



## VCA-600 Adapter (for using VC-100 with X-500VT)



## RF CONVERTER



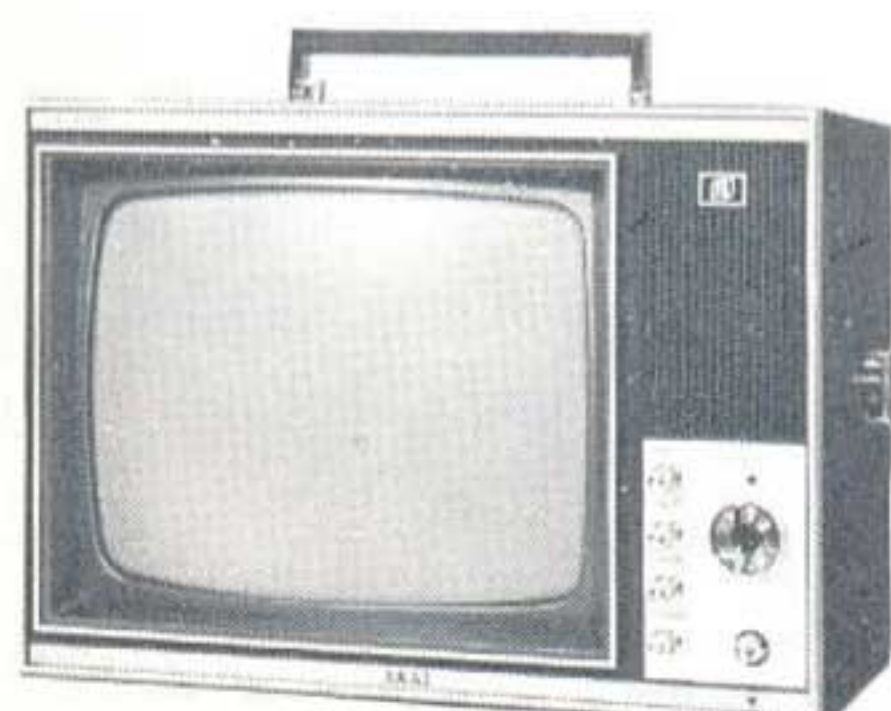
## VT-5R Video Tape Reel



## VT-5 Video Tape



## VM-12 Video Monitor



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