

SERIAL NUMBER

# *dynaco*

## SCA-50 AMPLIFIER

This number must be mentioned in all communications concerning this equipment.

### INSTRUCTIONS FOR ASSEMBLY OPERATION



929053-1

*dynaco inc.*

COLES ROAD & CAMDEN AVENUE / POST OFFICE BOX 88  
BLACKWOOD, N. J. 08012, U.S.A.

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**CAUTION: For continued protection, replace power fuse with the same type and rating as indicated.**

**WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.**

## SPECIFICATIONS

### Rated Power Output:

25 watts continuous average power per channel into 8 ohms, 20-20,000 Hz, at less than 0.25% total harmonic distortion. Distortion decreases at lower power outputs.

### Power at Clipping, Single Channel, 1000 Hz, less than 1% distortion:

35 watts @ 8 ohms; 35 watts @ 4 ohms; 20 watts @ 16 ohms.

### Intermodulation Distortion:

Less than 0.1% at any power level up to 25 watts rms per channel into 8 ohms with any combination of test frequencies. Distortion decreases at lower outputs.

### Frequency Response:

Phono:  $\pm 1$  dB of RIAA curve @ 1 watt into 8 ohms.  
High Level:  $\pm 0.5$  dB, 15 Hz to 45 kHz @ 1 watt into 8 ohms.

### Hum and Noise:

Phono: 72 dB below a 10 mv input (Ref: 1 kHz).  
High Level: 89 dB below a 0.5 v input.

### Input Sensitivity:

Phono: 1.65 mv for 25 watts output.  
High Level: 125 mv for 25 watts output.

### Phono Input Overload:

100 mv @ 1000 Hz.

### Tone Controls:

$\pm 10$  dB @ 50 Hz;  $\pm 10$  dB @ 15 kHz

### Impedances:

Magnetic Phono: 47,000 ohms.  
High Level: 50,000 ohms.  
Tape Output: From Phono inputs, 10,000 ohms minimum load.  
From High Level inputs, same as source.  
Headphone Output: 4 ohms or greater.

### Separation:

60 dB @ 1000 Hz minimum; 40 dB @ 10,000 Hz.

### Semiconductor Complement:

17 transistors, 2 integrated circuits, 2 FET's, 24 diodes.

### Dimensions:

13½" wide x 12" deep x 4¼" high.

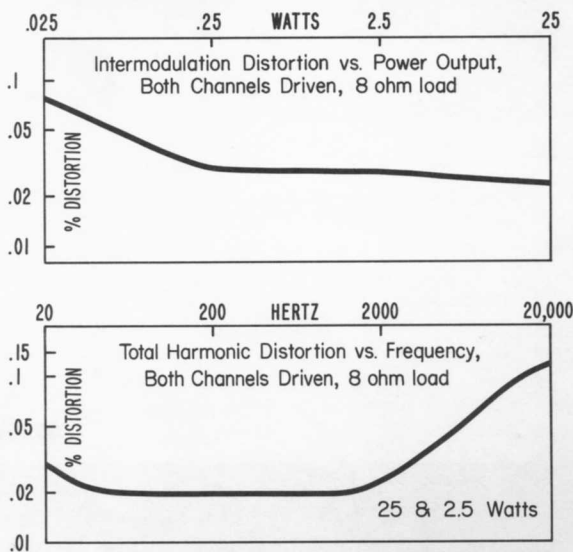
### Shipping Weight:

15 lbs.

### Power Consumption:

20 watts quiescent; 240 watts maximum; 50/60 Hz, 120 or 240 VAC.

## TYPICAL PERFORMANCE CURVES



## TONE CONTROL RANGE

