

THE FISHER

SA-300-B

90-WATT STEREO POWER AMPLIFIER





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THE FISHER SA-300-B is the latest and finest of FISHER amplifiers. Here is a stereo amplifier guaranteed to give distortion-free audio power at *all* listening levels! Hum and noise content is less than 1/1000th of 1% of full rated output! And the SA-300-B is designed to match all existing speakers! When using low efficiency, high-compliance systems, the FISHER SA-300-B is an absolute prerequisite for obtaining professional sound reproduction at both ends of the audible spectrum.

Moreover, with the amazing FISHER SA-300-B, you will find that even your choice of speaker enclosures is less critical. This remarkable amplifier actually permits you to obtain the *exact* damping factor required by *your* speaker system.

Consisting of two, fully identical, basic amplifier channels for both stereophonic or monophonic reproduction, THE FISHER SA-300-B offers true laboratory quality at a mere fraction of the usual cost of equipment of this calibre.

OUTSTANDING FEATURES

POWER RATING 90 watts of music power (new IHFM standard); 45 watts per channel. Conservatively rated at over 35 watts R.M.S. per channel.

INPUTS Two input jacks in each channel. One for uniform frequency response; the other with a special filter which produces a gradual and controlled frequency response to reduce ultrasonic signals that cause distortion in electrostatic speakers.

CENTER CHANNEL OPERATION New Center Channel output enables a greatly augmented stereo effect with your present speaker system, by means of the connection of a third amplifier and speaker system. Also can be used to feed a composite monophonic signal to a remotely placed speaker system.

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FREQUENCY RESPONSE Uniform, within 1/2 db over entire audible range of 20 to 20,000 cycles. Controlled frequency response is -3 db at 20,000 cycles.

INPUT CHARACTERISTICS Only 0.8 volt required at 1,000 cycles for rated output in each channel. Input impedance, approximately 160,000 ohms.

HUM AND NOISE More than 100 db below rated output and completely inaudible.

DISTORTION Harmonic distortion is less than 0.5% at rated output, ±1 db. Intermodulation distortion is less than 0.1% first-order difference tones (European CCIR Standards) and less than 0.4% by SMPTE American Standards.

SPEAKER CONNECTIONS 4-, 8- and 16-ohm terminals for matching speaker impedances, plus terminals for adding a resistor to match the recommended speaker damping factors.

TUBE COMPLEMENT Total of 10, Two ECC83/7025/12AX7, two ECC82/12AU7, four EL34/6CA7, two GZ34/5AR4.

CONTROLS Input Level, AC Balance, DC Balance and Hum Balance controls in each channel; Balance Adjust switch for easy readjustment; Bias Control. Unit is pre-aligned at factory for perfect balance of all circuits, and for proper bias value.

POWER REQUIREMENTS 105-120 volts, 50-60 cycles AC, 300 watts at full rated power. Fused at 4 amps. Auxiliary AC receptacle furnishes up to 500 watts for your associated equipment.

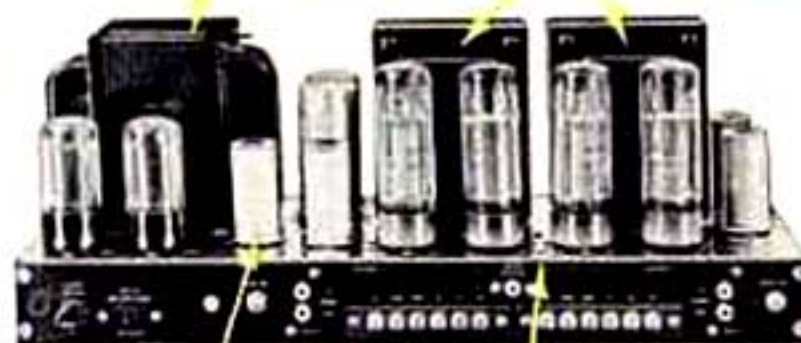
ALUMINUM CHASSIS CONSTRUCTION Brushed brass slotted cage for proper ventilation.

DIMENSIONS 16 5/8" wide, 7 1/4" deep, 6 1/2" high overall, including projecting controls and mounting feet.

WEIGHT Net, 32 lbs. Shipping weight, 36 lbs.

HEAVY CASED POWER TRANSFORMER
low flux density and heavy copper strap to prevent stray fields.

SPECIALLY DESIGNED OUTPUT TRANSFORMERS
grain oriented steel and heavy interleaved windings insure superior performance.



TUBE SHIELDS
on all low level stages.

VENTILATION HOLES
for cooler operation—longer tube and component life.

WARRANTY OF QUALITY

I UNCONDITIONALLY warrant every FISHER instrument to equal or exceed the technical perfection of the Master Standard Sample Unit in our engineering laboratories.



Avery Fisher

Founder and President
Fisher Radio Corporation