

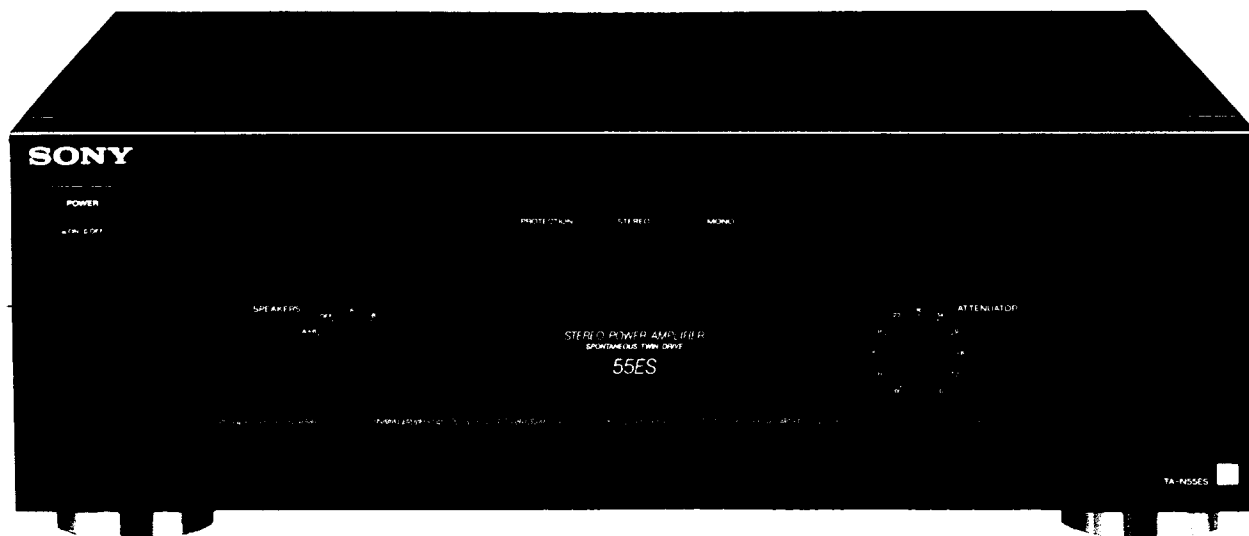
SONY

TA-N55ES

POWER AMPLIFIER

FEATURES AND
SPECIFICATIONS
SUBJECT TO CHANGE
WITHOUT NOTICE

- 150 WATTS PER CHANNEL, 4 OHMS, 20 - 20,000 HZ, 0.006% THD
- 110 WATTS PER CHANNEL, 8 OHMS, 20 - 20,000 HZ, 0.004% THD
- SPONTANEOUS TWIN DRIVE POWER SUPPLY
- PARALLEL PUSH-PULL OUTPUT TRANSISTORS
- ANTI-RESONANT G-CHASSIS™ CONSTRUCTION
- BRIDGED, MONAURAL OPERATION



TA-N55ES

Not only is the Sony TA-N55ES powerful. Not only is it a consummate performer. But it's also uncommonly rugged. Superlative 4 ohm capability, parallel-wired speaker terminals, bridged monaural operation and generous allowances for the demands of dynamic peaks make the TA-N55ES extraordinarily well prepared for the real world.

FEATURES

- **SPONTANEOUS TWIN DRIVE** with separate power supplies for input and output, so the power-hungry output stage doesn't threaten the sensitive input stage, no matter how loud the music gets
- **150 WATTS PER CHANNEL INTO 4 OHMS**, from 20 Hz to 20,000 Hz, at 0.006% THD
- **110 WATTS PER CHANNEL INTO 8 OHMS**, from 20 Hz to 20,000 Hz, at 0.004% THD
- **DYNAMIC HEADROOM** of 2.8 dB at 4 ohms for outstanding performance on dynamic peaks
- **MONOPHONIC OPERATION: 300 WATTS INTO 8 OHMS**, from 20 Hz to 20,000 Hz, at 0.007% THD is ideal for subwoofers, dual mono operation and monobloc amplifier placement
- **DISCRETE OUTPUT TRANSISTORS** have high speed, high current capacity and low distortion
- **PARALLEL PUSH-PULL OUTPUT STAGE** for low distortion, uses four transistors per channel, two for the positive half and two for the negative; delivers ample current capability
- **HIGH-CURRENT POWER TRANSFORMER** with ample reserves for the demands of musical peaks
- **RESIN CAST POWER SUPPLY CAPACITORS** with very high capacity, very low ripple current
- **LARGE, ANODIZED 17-VENT HEAT SINKS** for efficient cooling of the output transistors
- **ANTI-RESONANT G-CHASSIS™ CONSTRUCTION** of calcium carbonate reinforced with glass fiber is far more rigid than steel; helps damp distortion-causing internal vibrations from the transformer and output transistors
- **FIXED AND VARIABLE INPUTS** let you match the amplifier to your preamp output
- **MONO INPUT/OUTPUT** for convenient bridged operation
- **4 OHM POWER** easily handles the impedance dips of "nominal 8-ohm" speakers, lets you drive low-impedance speakers and "difficult" speakers with confidence

- **PARALLEL A AND B SPEAKER TERMINALS** enable you to drive two pairs of speakers simultaneously, with very low distortion in comparison to the conventional serial speaker wiring
- **DUAL PROTECTION CIRCUITS** defend the amplifier and your speakers from thermal overload and short circuits
- **FRONT PANEL GAIN CONTROL** for convenient adjustment

SPECIFICATIONS

CONTINUOUS SINE WAVE POWER OUTPUT:

150W per channel, both channels driven into 4 ohms,
20 - 20,000Hz at 0.006% THD
110W per channel, both channels driven into 8 ohms,
20 - 20,000Hz at 0.004% THD
300W, mono operation, one channel driven into 8 ohms,
20 - 20,000Hz at 0.007% THD

DYNAMIC POWER (2, 4, 8 OHMS): 400, 290, 150W per channel, stereo operation

IM DISTORTION: 0.004%, 8 ohms at rated output

IHF DYNAMIC HEADROOM AT 4 OHMS: 2.8dB

POWER BANDWIDTH: 5 - 50,000Hz, IHF, 8 ohms

DAMPING FACTOR: 100 at 8 ohms, 1kHz

SLEW RATE: 120V per microsecond; 250V per microsecond inside

RESIDUAL NOISE: <90mV (A-weighted)

POWER CONSUMPTION: 280W

DIMENSIONS (WHD): 17" x 6" x 14½"

WEIGHT: 26 lbs 14 oz

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SONY

Sony Electronics Inc.
1 Sony Drive
Park Ridge, New Jersey 07656

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