

TANDBERG

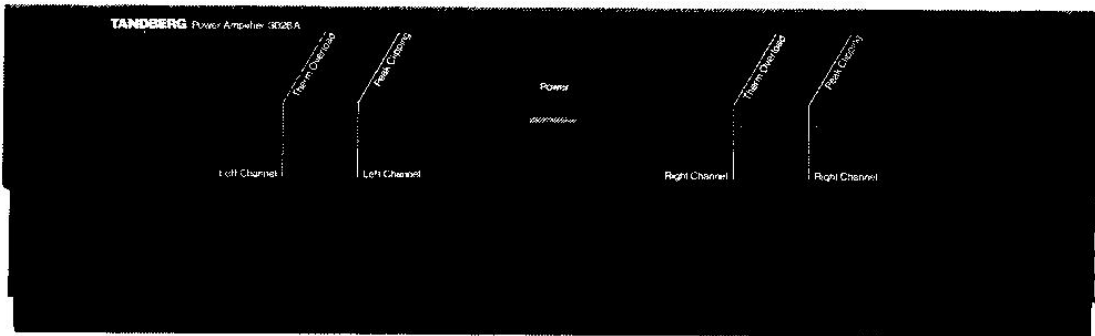
# 3026

**AMPLIFIER**

Tandberg Power Amplifier 3026A is a 2 x 150 W audio-ophile power amplifier with high current capacity

combined with a very rugged design and ability to drive difficult loads. The 3026A includes many features

adopted from the "state of the art" power amplifier Tandberg 3016A.



**Component selection**

All components used in 3026A are selected for maximum accuracy and best audio performance.

Capacitors in the signal paths are selected polypropylene types. The use of high

quality polypropylene capacitors greatly improves audible performance compared to other commonly used capacitors. Improvement relates to openness, resolution and purity.

All resistors are metal film types for high accuracy and long term stability.

Active elements are discrete selected types throughout the entire circuitry.

**Well dimensioned power circuits**

A major feature of this new amplifier is a well dimensioned high current power supply. A massive torodial transformer reduces voltage modulations usually

resulting in unstable perspective and lack of control in the bass area.

The high current design guarantees superior

performance even under the most dynamic signal conditions, no matter what type of loudspeaker used.

**High current capability**

Output devices are MOSFET's and have the advantage of high speed and inherent current sharing.

The use of MOSFET's allows high current to pass without

those limitations presented in bi-polar devices and no protection is needed — assuring a deep and well controlled bass, as well as striking reproduction of transients.

The 3026A offers a peak current of 45 A.

## Zero Feedback

The Zero Feedback design of 3026A greatly increases the signal capacity of the active stages.

Usually feedback is applied to reduce overall distortion and linearity errors.

Our unique design offers all the advantages of zero feedback without any sacrifice in linearity or raised distortion levels.

## Feed forward driver design

The feed forward circuitry eliminates the on-resistance in the output transistors.

all through the audio band up to several hundred kHz – assuring full control over all elements in the speakers.

This results in highly detailed and accurate midrange and high-end – hardly matched by other amplifier designs.

This results in extremely low output impedance –

## Thermic Servo Loop

To control DC stability servo loops are required. Usually this is done electronically with a lowpass filter and a negative feedback loop injecting its control

signals into the audio path. This will degrade sound quality.

The Tandberg Thermic Servo Loop controls, in a

unique way, by means of temperature to achieve 0 DC – with absolute no interference to the audio signal.

## Technical Data

Tandberg Power Amplifier  
3026A

<b>Power Requirements:</b>	115/230 W $\pm$ 10%, 50/60 Hz
<b>Power Consumption:</b>	110 – 830 W
<b>Dimensions:</b>	Width: 17 1/8" (43.5 cm) Depth: 13 3/4" (35.0 cm) Height: 5 1/4" (13.0 cm) Weight: 31.4 lbs (14.25 kg)

Technical Data according to  
IHF-A-202, 1978

<b>Continuous Average Power Output:</b>	(8 ohm 20 – 20,000 Hz, THD > 0.02%)	2 x 150 W
<b>Frequency Response:</b>		20 – 20,000 Hz + 0/– 0.1 dB
<b>A-weighted Signal-to-Noise Ratio:</b>	(Ref. 1 W/8 ohm)	96 dB

Secondary Disclosures

<b>Output impedance (20 – 20,000 Hz):</b>	< 0.01 ohm	
<b>Wideband Damping Factor:</b>	> 800	
<b>Low Frequency Damping Factor:</b>	> 2500	
<b>SMPTE Intermodulation Distortion:</b>	0.02%	
<b>IHF Intermodulation Distortion:</b>	0.02%	
<b>Transient Overload Recovery Time:</b>	Immeasurable	
<b>Sensitivity:</b>	(1 W) (150 W)	150 mV 1.5 V
<b>Pulse Power:</b>		2000 W in 1.0 ohm

Specifications are subject to change for further improvement without notice.

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