

3032

Design Philosophy

It has been our aim to build an integrated amplifier matching the performance of two separates.

The result is a unit setting new standards in both audible performance and ease of operation

A major feature of the 3032A is full remote control without the usual degradation of audio performance



Pre-amp. section

All components used in the 3032A are selected for maximum accuracy and best audio performance. The phono pre-amp has separate MM and MC inputs, automatically switched.

Separate program-select and record-select switches allows maximum user flexibility, recording one source and listening to another source.

A generous number of inputs and outputs allows even video-in and separate pre-out for multi-amplifier systems.

Amplifier section

A major feature of the amplifier section is a well dimensioned high current power supply

The high current design - hardly found in any other receiver - guarantees

superior performance under all signal conditions

Continuous Average Power Output:

(8 ohm, 20 - 20.000 Hz, THD < 0.09%) 2 x 100W
(4 ohm, 20 - 20.000 Hz, THD < 0.09%) 2 x 120W
0.35 dB

High current capability

Years of experience with MOSFET and BI-POLAR technology is incorporated in the design of

the TIR 3032A. This bi-polar design is hardly matched by any other amplifier

With 20.000 uF capacitors, the 3032A offers a peak current of 30 A

Thermic Servo Loop

The Tandberg Thermic Servo Loop controls the output DC voltage, in a unique way, by means of temperature sensing to achieve 0 Volt — with

absolutely no interference to the audio signal.

This replaces the usual lowpass filter and negative

feedback loop which inject control signals into the audio path and degrade the sound quality.

Fully remote controlled

The Tandberg infrared remote control RC 3000 (not included) can control most of the 3032A functions

All sources and rec. out can be selected remotely.

The functions also include volume, tone defeat and muting. The remote control will also operate other Tandberg products, such as the 3015A Compact Disc Player

Technical Data

Tandberg Integrated
Amplifier TIR 3032 A

Power requirements: 110-115 V/220-230 V/240 V $\pm 10\%$, 50/60 Hz
Power consumption 60 — 500 W
Dimensions: Width 435 mm
Height 137 mm
Depth 354 mm
Weight 12 kg

AMPLIFIER

Technical data
according to IHF-A-202,
1978

Continuous Average Power Output: (8 ohm, 20-20.000 Hz, THD $\leq 0.09\%$) 2 x 100 W
(4 ohm, 20-20.000 Hz, THD $\leq 0.09\%$) 2 x 120 W
Wideband damping factor: > 800

Frequency response:
Linear inputs 5-100.00 Hz ± 0.3 dB
Phono MC and MM inputs 20-20.000 Hz ± 0.5 dB

Sensitivity
Phono MC 15 μ V
Phono MM 160 μ V
FM, Tape 1, Tape 2, Video, Aux, CD 15 μ V

A-weighted Signal-to-noise ratio:
Phono MC 68 dB
Phono MM 72 dB
FM, Tape 1, Tape 2, CD 74 dB

Maximum input signal: Phono MC 5.0 mV
Phono MM 70 mV
FM, Tape 1/2, CD, Video, DAT, Aux 3.5 V

Input Impedance:
Phono MC 150 ohm
Phono MM 47 kohm
FM, Tape 1/2, CD, Video, DAT, AUX 10 kohm

Specifications are subject to change without notice

Secondary Disclosures

Output Impedance:
Power Amplifier 0,01 ohm
Headphones 2,70 ohm
Headphones (min. load) 8 ohm

Tone-control response:
Bass ± 9 dB at 100 Hz
Treble ± 9 dB at 10.000 Hz
Loudness Max. 7 dB at 50

Crosstalk (100 Hz - 10 kHz):
Phono MM, Phono MC > 70 dB
Tape 1, Tape 2, DAT, Video, Tuner, CD > 70 dB

Separation (100 Hz - 10 kHz):
Phono MM, Phono MC > 45 dB
Tape 1, Tape 2, DAT, Video, Tuner, CD > 45 dB

Transient Intermodulation:
All inputs: Immeasurable

Other Technical Data

Frequency range:
Tape 1, Tape 2, Tuner, CD 1.6 - 250.000 Hz ± 0.3 dB
Phase Shift (20 Hz - 20.000 Hz):
Tape 1, Tape 2, DAT, Video, Tuner, CD $+ 5^\circ / - 5^\circ$

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