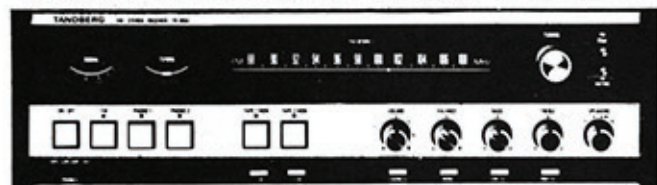


TANDBERG

TECHNICAL DATA FOR TR-2055



AUDIO SECTION

***POWER OUTPUT:** Average continuous sinewave power is 55 watts minimum RMS per channel, both channels driven into 8 ohms load, from 20 Hz to 20 kHz with no more than 0.15% total harmonic distortion from 1/4 watt to 55 watts as specified herein.

Power output: 2 x 75 watts
continuous, both channels driven into 4 ohms load at 1 kHz, 0.2% distortion.

Power output: 2 x 60 watts
continuous, both channels driven into 8 ohms load at 1 kHz, 0.1% distortion.

Load impedance: 4-16 ohms

***TOTAL HARMONIC DISTORTION:** Maximum 0.15% at any power from 1/4 watt up to rated power in 8 ohms load.

Total harmonic distortion:

Intermodulation, IHF and DIN 45500: Less than 0.15%

Damping factor: 25 at 4 ohms
50 at 8 ohms

Frequency response: Overall linear input at -1.5 dB: 7-80,000 Hz

Bass control range: ± 15 dB at 50 Hz

Bass loudness: + 10 dB at 50 Hz

Treble control range: ± 15 dB at 10,000 Hz

Treble loudness: + 5 dB at 10,000 Hz

LOW filter: -3 dB at 70 Hz (-12 dB/octave)

HIGH filter: -3 dB at 8,000 Hz (-12 dB/octave)

Channel separation at 1 kHz: Tape: 60 dB
Phono: 60 dB

Signal/hum and noise ratio, IHF: reference, max. output, into 8 ohms load, shorted input, no filter network used. Preset level controls -6 dB.

Signal/hum and noise ratio, IHF: reference, max. output, into 8 ohms load, shorted input, A-network used. Preset level controls at -6 dB.

Tape 1: 90 dB (input signal 300 mV)
Tape 2: 88 dB (input signal 300 mV)
Phono 1: 82 dB (input signal 4.4 mV)
Phono 2: 80 dB (input signal 3 mV)
Volume at minimum: 98 dB

Signal/hum and noise ratio, DIN 45500: reference 50 mW, 4 ohms load. Preset level controls -6 dB.

Tape 1: 62 dB (input signal 300 mV)
Tape 2: 62 dB (input signal 300 mV)
Phono 1: 60 dB (input signal 4.4 mV)
Phono 2: 58 dB (input signal 3 mV)

Residual hum and noise: Less than 0.7 mV RMS
into 8 ohms load, volume control at minimum, no filter network used.

Sensitivity: at maximum power output, in 8 ohms load.

Tape 1: adjustable 150-600 mV (input imp. 25-33 k ohms)
Tape 2: adjustable 150-600 mV (input imp. 25-33 k ohms)
Phono 1: adjustable 2.2-10 mV (input imp. 47 k ohms)
Phono 2: 3 mV (input imp. 47 k ohms)

Maximum input signals: 0.2% distortion at 1 kHz, preset level controls at minimum.

Tape 1: 8 V
Tape 2: 8 V
Phono 1: 250 mV
Phono 2: 80 mV

Output of TAPE sockets: unloaded.
Output from TAPE CONTOUR: unloaded.

Phono sockets: 1 V (Output imp. 1 k ohms)
DIN sockets: 250 mV (Output imp. 33 k ohms)
Max. 25 V (Output imp. 150 ohms)

FM SECTION

Specification according to IHF-T-200, 1975 (IEEE std. 185, 1975)

Tuning range:	87.5-108 MHz
Usable sensitivity:	MONO: 1.7 μV/300 ohms (10.3 dBf) STEREO: 40 μV/300 ohms (37.3 dBf)
50 dB quieting sensitivity:	MONO: 3 μV/300 ohms (14.8 dBf) STEREO: 40 μV/300 ohms (37.3 dBf)
Signal-to-noise at 65 dBf (1 mV/300 ohms):	MONO: 78 dB STEREO: 75 dB
Muting threshold:	MONO: 6 μV/300 ohms (20.8 dBf)
Muting hysteresis, 6 dB	
Stereo threshold:	15 μV/300 ohms (28.8 dBf)
Stereo hysteresis, 8 dB	
Frequency response, 30 Hz-15 kHz:	MONO: +1, -2 dB STEREO: +1, -2 dB
Distortion at 50 dB quieting:	MONO: 0.3% STEREO: 0.3%
Distortion at 65 dBf (1 mV/300 ohms):	MONO: 0.2% STEREO: 0.3%
Intermodulation distortion:	MONO: 0.2% STEREO: 0.2%
Capture ratio:	0.9 dB
Selectively measured	
Adjacent channel selectivity:	10 dB at ± 200 kHz
Alternate channel selectivity:	80 dB at ± 400 kHz
Spurious response ratio:	Greater than 95 dB
Image response ratio:	Greater than 70 dB
IF response ratio:	Greater than 95 dB
balanced	
RF intermodulation:	Greater than 70 dB
AM suppression ratio:	Greater than 70 dB
Stereo separation:	Greater than 40 dB
at 60 Hz-10 kHz (selectively measured)	
Subcarrier product ratio:	60 dB
19 kHz suppression:	70 dB
38 kHz suppression:	60 dB

Specification according to DIN 45301 and DIN 45500

Sensitivity mono, DIN 45301: at 26 dB signal/noise, RMS, dev. ± 22.5 kHz.	1.6 μV/300 ohms
Sensitivity stereo, DIN 45500: at 46 dB signal/noise, RMS, dev. ± 40 kHz.	40 μV/300 ohms
Signal/noise, Weighted, DIN 45500: quasi-peak, dev. ± 40 kHz.	MONO: 66 dB STEREO: 62 dB
Signal/noise, Unweighted, DIN 45500: RMS, dev. ± 40 kHz.	MONO: 68 dB STEREO: 65 dB
Selectivity: carrier down:	80 dB at ± 300 kHz
Total harmonic distortion: dev. ± 40 kHz.	MONO: 0.15% STEREO: 0.15%

GENERAL

AC Power Requirement:	120/220/240 V, 50/60 Hz
AC Power consumption:	245 W (full power) 46 W (no signal)
AC outlets: (US type, not allowed in all countries).	1 Switched (Max. 100 Watts) 1 Unswitched (Max. 150 Watts)
Dimensions:	Width: 20 1/8" (51 cm) Height: 6" (15.3 cm) Depth: 13 7/8" + knobs 15/16" (35.6 cm + 2.4 cm)
Weight:	28.5 lbs (13 kg)

*Measured according to FTC rules.