

NAD Iconic Technologies and Products - Technical Specifications

Name: NAD 3020 Integrated Amplifier

Year Released: 1978

POWER AMPLIFIER SECTION	
Continuous average power output at 8 ohms (min. RMS power per channel, 20-20 kHz, both channels driven, with no more than rated distortion)	20W (13 dB W)
Rated distortion, 20-20 kHz, THD	0.02%
IHF Dynamic headroom at 8 ohms	+3.0 dB
IHF Dynamic power (maximum short-term power per channel)	8 ohms: 40W 4 ohms: 58W 2 ohms: 72W
THD (Total Harmonic Distortion, 20-20 kHz) from 250 mW to rated output	<0.02%
SMPTE IM (Intermodulation Distortion, 60 Hz + 7 kHz, 4:1), from 250 mW to rated output	<0.02%
IHF IM (CCIF IM Distortion, 19 k + 20 kHz) at rated output	<0.02%
T.I.M. (Transient Intermodulation Distortion, 15 kHz sine +3.18 kHz square wave) at rated output	<0.02%
PREAMPLIFIER SECTION	
Phono Inputs	
Input Impedance (Resistance/Capacitance)	47 k Ω /47 pF
Input Sensitivity (1 kHz) for 1 W out/20 W out	0.5 mV/2.5 mV
Signal-to-Noise Ratio, A-Weighted, with phono cartridge connected, ref 5 mV	75 dB
Line Level Inputs	
Signal-to-noise ratio (A-weighted ref. 1W)	>86 dB
Channel separation	>60 dB
Frequency response	\pm 0.5 dB, 20-20 kHz
Infrasonic filter (24 dB/octave slope)	-3 dB at 15Hz
Ultrasonic filter (12 dB/octave)	-3 dB at 35 kHz
PHYSICAL SPECIFICATIONS	
Dimensions (W x H x D)	420 x 96 x 240 mm 16.5 x 3.8 x 9.5 in
Net Weight	5.26 kg/11 .6 lbs
Shipping Weight	6.7 kg/14.7 lbs