

nova150 Specifications

SPEAKER OUTPUT

Compatible Speakers	2.5-16 Ω
Output Power (WPC, 8 Ω 4 Ω , <1% THD+N, AES17)	150 250
Dynamic Range (A-weighted)	105dB
Damping Factor (1kHz, 8 Ω)	700
Damping Factor (1kHz, 4 Ω)	350
Frequency Response (20 - 20kHz)	<+/-0.1dB
Inter-Modulation Distortion	>80dB below fundamental
Total Harmonic Distortion (AES17, 1kHz, 4 Ω)	0.008%
Channel Separation (1kHz, 8 Ω)	>90dB

PREAMP OUTPUT

Output Voltage (rms)	3.8V
Output Impedance	100 Ω
Signal-to-Noise Ratio (Analog Digital Source, un-weighted)	111dB 105dB
Channel Separation (1kHz)	>120dB at 1kHz
Frequency Response (Analog Digital Source, 8Hz-20kHz)	<0.1dB <0.5dB
Total Harmonic Distortion (2V rms, 1kHz, un-weighted)	0.0003%

HEADPHONE OUTPUT

Output Power (32 Ω , rms peak)	755mW 1660mW
Output Power (300 Ω , rms peak)	130mW 275mW
Output Power (600 Ω , rms peak)	64mW 135mW
Output Impedance	1 Ω
Signal-to-Noise Ratio (Analog Digital Source, un-weighted)	107dB 106dB
Dynamic Range (Analog Digital Source, un-weighted)	107dB 100dB
Channel Separation (1kHz)	>120dB at 1kHz
Frequency Response (Digital source, 8Hz-20kHz)	<0.5dB
Frequency Response (Analog source, 8Hz-100kHz)	<0.1dB
Total Harmonic Distortion (2V rms, 1kHz, un-weighted)	0.0003%

USB-B Input

Formats	PCM and DSD
PCM Sampling Rate and DSD Frequency Rate	16-32 Bit, 44.1-384kHz PCM 2.8224-5.6448MHz DSD

COAX and OPT Inputs

Formats	16-24 Bit, 44.1-192kHz PCM
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AUX Inputs

Maximum Voltage (rms peak-to-peak)	3.5V 10V
Impedance	100k Ω

PHONO Input

Maximum Input Voltage (rms)	120mV
Impedance	47k Ω
RIAA EQ	No rumble filter used

Loop Output and Input

Maximum Voltage (rms peak-to-peak)	3.5V 10V
Impedance (input output)	100k Ω 100 Ω

AC Power

AC Input	100-240VAC, 50/60Hz
Maximum Power Consumption	400W
On Mode (Idle) Power Consumption	15W
Standby Mode Power Consumption	<0.5W
Fuse	100-120VAC: 6.3 A/250V IEC time lag high breaking capacity 220-240VAC: 3.15A/250V IEC time lag enhanced breaking capacity

Physical

Height (including feet)	111 mm 4.37 inches
Width	356 mm 14.02 inches
Depth (including volume knob and speaker binding posts)	336.55 mm 13.25 inches
Weight (shipping)	15 lbs (19 lbs) 6.8 kg (8.6 kg)

Warranty

Parts and Labor	Two years Three years if registered online
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