

## nova300 Specifications

### SPEAKER OUTPUT

|                                                                |                         |
|----------------------------------------------------------------|-------------------------|
| Compatible Speakers                                            | 2.5-16 $\Omega$         |
| Output Power (WPC, 8 $\Omega$   4 $\Omega$ , <1% THD+N, AES17) | 300   450               |
| Dynamic Range (A-weighted)                                     | 105dB                   |
| Damping Factor (1kHz, 8 $\Omega$ )                             | 1000                    |
| Frequency Response (20 - 20kHz)                                | <+/-0.4dB               |
| Inter-Modulation Distortion                                    | >80dB below fundamental |
| Total Harmonic Distortion (AES17, 1kHz, 4 $\Omega$ )           | 0.005%                  |
| Channel Separation (1kHz, 8 $\Omega$ )                         | >90dB                   |

### PREAMP OUTPUT

|                                                              |                                    |
|--------------------------------------------------------------|------------------------------------|
| Output Voltage (rms)                                         | 3.8V                               |
| Output Impedance                                             | 100 $\Omega$                       |
| 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                                    | 0.003% (2V rms, 1kHz, un-weighted) |

### HEADPHONE OUTPUT

|                                                              |                                    |
|--------------------------------------------------------------|------------------------------------|
| Output Power (32 $\Omega$ , rms   peak)                      | 1200mW   2770mW                    |
| Output Power (300 $\Omega$ , rms   peak)                     | 330mW   700mW                      |
| Output Power (600 $\Omega$ , rms   peak)                     | 170mW   350mW                      |
| Output Impedance                                             | 1 $\Omega$                         |
| Signal-to-Noise Ratio (Analog   Digital Source, un-weighted) | 107dB   106dB                      |
| Dynamic Range (Analog   Digital Source, un-weighted)         | 107dB   100dB                      |
| Channel Separation (1kHz)                                    | >100dB at 1kHz                     |
| Frequency Response (Digital source, 8Hz-20kHz)               | <0.5dB                             |
| Frequency Response (Analog source, 8Hz-100kHz)               | <0.1dB                             |
| Total Harmonic Distortion                                    | 0.003% (2V rms, 1kHz, un-weighted) |

**USB-B Input**

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

**COAX and OPT Inputs**

|         |                            |
|---------|----------------------------|
| Formats | 16-24 Bit, 44.1-192kHz PCM |
|---------|----------------------------|

**AUX Inputs**

|                                      |               |
|--------------------------------------|---------------|
| Maximum Voltage (rms   peak-to-peak) | 3.5V   10V    |
| Impedance                            | 100k $\Omega$ |

**PHONO Input**

|                             |                       |
|-----------------------------|-----------------------|
| Maximum Input Voltage (rms) | 120mV                 |
| Impedance                   | 47k $\Omega$          |
| RIAA EQ                     | No rumble filter used |

**LOOP Output and Input**

|                                      |                              |
|--------------------------------------|------------------------------|
| Maximum Voltage (rms   peak-to-peak) | 3.5V   10V                   |
| Impedance (input   output)           | 100k $\Omega$   100 $\Omega$ |

**AC Power**

|                                  |                                                                        |
|----------------------------------|------------------------------------------------------------------------|
| AC Input                         | 100-240VAC, 50/60Hz                                                    |
| Maximum Power Consumption        | 1200W                                                                  |
| On Mode (Idle) Power Consumption | 32W                                                                    |
| Standby Mode Power Consumption   | <0.5W                                                                  |
| Fuse                             | 100-120VAC: 8A/250V Medium Acting<br>220-240VAC: 4A/250V Medium Acting |

**Physical**

|                                                         |                                   |
|---------------------------------------------------------|-----------------------------------|
| Height (including feet)                                 | 4.37 inches   111 mm              |
| Width                                                   | 14.02 inches   356 mm             |
| Depth (including volume knob and speaker binding posts) | 13.25 inches   336.55 mm          |
| Weight (shipping weight)                                | 17 lbs (21 lbs)   7.7 kg (9.5 kg) |

**Warranty**

|                 |                                               |
|-----------------|-----------------------------------------------|
| Parts and Labor | Two years<br>Three years if registered online |
|-----------------|-----------------------------------------------|