

Rated Output Voltage*	
F = 1KHz: MM input to output MC input to output	0.125 Volts RMS. 0.125 Volts RMS.
Voltage Gain*	
F = 1KHz: MM input to output MC input to output	75.5 ± 2% or 37.65 ± 0.2dB. 75.0 ± 2% or 37.5 ± 0.2dB.
RIAA Accuracy*	
from 20 Hz - 20 KHz:	better than + 0.0 dB/-0.5 dB.
Phono Overload	
F = 1KHz: Phono MM Phono MC	250 millivolts RMS. 25 millivolts RMS.
Total Harmonic Distortion from 20 Hz - 20 KHz; RIAA de-emphasis	
Vout=0.25 Volts RMS MM input to output: MC input to output:	no more than 0.1%. no more than 0.1%.
Vout=10 Volts RMS MM input to output: MC input to output:	no more than 1%. no more than 1%.
IM Distortion (60Hz:7KHz: 4:1) SMPTE; RIAA de-emphasis:	
Vout=0.25 Volts RMS MM input to output: MC input to output:	no more than 0.1%. no more than 0.1%.
Vout=10 Volts RMS MM input to output: MC input to output:	no more than 1%. no more than 1%.
Inputs	
Unbalanced:	gold plated single-ended RCA connectors.
Input Sensitivity*	
Vout=0.125 Volts RMS, F = 1KHz: MM input: MC input:	1.66 millivolts RMS ± 2%. 0.167 millivolts RMS ± 2%.
Input Impedance	
F = 1 KHz: MM input MC input	47 KOhms shunted by 200 pF. 400 Ohms.
Outputs	
Unbalanced:	gold plated single-ended RCA connectors.
Output Impedance	
corrected output impedance:	typically 3.5 KOhms.
Noise*	
signal-to-noise ratio, below 1 Volts RMS output, A weighted MM input to output (shorted input): MC input to output (shorted input): MM input to output, with IHF dummy load in MM position: MC input to output, with IHF dummy load in MC position:	better than 88dB. better than 87dB. better than 84dB. better than 83dB.
Absolute Phase	
MM input to output: MC input to output:	non-inverting. non-inverting.
Operating Temperature	
	-4 to +104 degrees Fahrenheit (-20 to +40 degrees Celsius) ambient.
Power Supply	
nominal line voltage Input voltage range	100-240 Volts, 50/60Hz. ±10%. One power transformer; two filter chokes; one full-wave vacuum rectifier; one solid-state analog non-switching voltage regulator. AC voltage intensively filtered by special RFI power line filter.
Power Supply Energy Storage	
regular version: deluxe version:	approximately 125 Joules. approximately 150 Joules.
Front/Rear Panel Controls	
Front Panel Controls:	<ul style="list-style-type: none"> LED control.
Rear Panel Connectors and Controls:	<ul style="list-style-type: none"> IEC320 power inlet (3 lug). EARTHING post. PHONO grounding post. Two pairs of INPUT CONNECTORS RCA for PHONO inputs. Two SELECTOR/GAIN switches. One pair of OUTPUT CONNECTORS RCA.
Features	
	<p>Pure class A vacuum tube design. All stages are single-ended.</p> <p>High-current drive capability, in combination with unique single-ended class A circuitry, guarantee the preamplifier to drive any cable and any reasonable real world load, while maintaining its practically inaudible sonic signature.</p> <p>This design is unique to LAMM INDUSTRIES, INC.</p>
AC voltage selector	100/120/220/230/240 Volts, internally switchable.
Safety	<p>Unique electronic protection circuit enables muting of the outputs until the preamplifier is stabilized after a turn-on, and automatic switching to muting in case the AC line drops or is interrupted.</p> <p>AC voltage fuses: 2 Amps slo-blo for 100/120 Volts, 1 Amp slo-blo for 220/230/240 Volts.</p>
General	
Power Consumption:	Typically 70 Watts.
Burn-in Time at Factory:	Minimum 72 hours.
Recommended Burn-in Time in end-user's System:	Minimum 100 hours.
Warm-up time:	Minimum 45 minutes.
Unit dimensions: Crate dimensions::	4.5 inches high x 19 inches wide x 13.875 deep + 1.375 inches for front handles. 23" x 19" x 10" (58.42cm x 48.26cm x 25.4cm)
Unit weight regular version: deluxe version: Shipping weight regular version: deluxe version:	22 Lbs (10 Kg). 41.5 Lbs (18.84 Kg). 43.1 Lbs (19.57 Kg). 62.6 Lbs (28.42 Kg).
Tube Complement	<ul style="list-style-type: none"> V101 - 417A/5842 (left channel, first amplification stage); V102 - 417A/5842 (right channel, first amplification stage); V103 - 417A/5842 (left channel, second amplification stage); V104 - 417A/5842 (right channel, second amplification stage); V105 - 6X4 (full wave voltage rectifier).