

# LAMPIZATOR

## The GM 70 SE Mono-block



### TECHNICAL HIGHLIGHTS

Tube amplifiers occupy highest ranks in the world of amplification. Even higher echelons are mono-block amps. The aristocracy is a sub group of single ended amplifiers. And among those - single ended Triodes are the top. Within that top niche - Directly Heated Triodes are the best.

Their very low power is the common problem, that's why we chose the most powerful triode available to us - the legendary GM70 from Soviet Union. It allows us to build very powerful amplifier not only almost 3 x more powerful than common 300B type, but also with better frequency extremes and better reliability. The Soviets made thousands of these great triodes so future supplies are certain.

There are two versions of the tube - copper and graphite. They are both excellent, some people prefer the somewhat warmer midrange of copper to the „punch in the stomach” raw dynamics of the carbon. If „more of the 300B thing” is your goal - go for copper. If you are tired of the midrangey and lazy sound of 300B and want a muscle for a change - go for graphite.

These monoblocks are large, inefficient, heavy and extremely hot, but they do something that no other amps can do. They combine power with musicality, connection, emotional involvement, and intimate closeness - that we audiophiles crave so much.



# Features

This kind of amplifier is characterized by very high voltage - around 1000V on power supply anodes. Another factor is high temperatures involved and need of very good wiring and grounding. That's why we prefer to build them with every electrical trace being made by hand in point to point fashion and without the use of printed boards. The parts are too heavy for PCB, the temperature is too hot and voltage is too high. This way the amps are very labor intense but also very reliable and easy to repair or modify. The schematics of this amplifier is without any feedback, neither local nor global. It sounds just a lot better this way. Each block is equipped with own integrated volume control but for convenience one should use a variable source (volume controlled DAC or preamp). Please plan for good ventilation under, around and over these blocks.



## SPECIFICATIONS

Amplifier type	single ended triodes in zero feedback scheme
Power tubes	Directly heated GM70 triode per channel
Output	Ultra thin laminated steel SE (gapped) transformer
Input topology	Single ended noval triode input
Driver	White follower super low impedance driver 6H6P in true no feedback mode
Signal input:	RCA SE, monophonic per mono-block
Volume control	Resistor ladder logarithmic 24 step dual mono true balanced, <1% tolerance
Adjustements	De-humming cathode pot for GM70. Bias. Volume.
Bias	Manual bias with negative voltage potentiometer and analog current meter
Tube compliment	Each amp has: 1 x GM70 triode, 2 x 6H6P dual triodes, e88cc input dual triode, rectifier diode 5R4 (for small tubes power)
Speaker compatibility	>90 dB speakers. 4 and 8 Ohm, 16 Ohm by request
Output Power @8Ohm	20 Watts
Consumption	195 W per block
Dimensions (shelf footprint)	43 cm [W] x 52 cm [D] x 13 cm [H] (Lampizator BIG) plus 20 cm tube height
Net weight in kg (lb)	25 kg (60 lb) per block, Shipping weight 35 kg (80 lb) per block
Color options	Black or silver front. Only silver top plate. Only orange button.
Special version	Copper GM70 tubes are optional. Other features of Special amps are: 300B driver tubes and copper capacitors in signal path.

Specifications subject to change without notice