



GM 400 *By Giovanni Mariani*

GM 400

In 1989, the audiophile world was strongly shaken by the appearance on the market of an amplifier with unconventional features and sonic performance, the GM 200, a tube amp without the typical defects of tube amps, nowadays still indelibly imprinted in the memory of those who had the opportunity to listen to it.

In their 30th anniversary GRAAF, and its designer Giovanni Mariani are proud to introduce the new GM 400, a transistorized power amplifier free from all of the well known shortcomings that commonly affect transistor amplifiers. An innovative circuit with completely new concepts that translates into a definition and naturalness of the low frequencies never before experienced, a midrange worthy of the best tube amps and many other features that guarantee absolute performance even with the most demanding loads.

GM 400 DATA

Power rating: 210W @ 8 Ohm - 360 @ 4 Ohm

THD @ 1Khz : 0.4% @ 8 Ohm - 0.4 @ 4 Ohm

Signal to Noise Ratio: 102.5 dbA

Voltage Gain: 50v = 31.6 dB

Frequency Respons: > 200Khz

Rise Time: 1.2uS

Slew Rate: > 42V/uS

Damping factor:

D.F. @ P. out 1W = 13,80

D.F. @ P. out 10W = 20,90

D.F. @ P. out 100W = 36,25

D.F. @ P. out 200W = 37,24

Input impedance: 47Kohm (UNBALANCED) 94Kohm (BALANCED)

Output impedance: INDIFFERENT BETWEEN 4 TO 8 Ohm

Input Sensitivity: 0.8V (TO BE DRIVEN EVEN WITH A PASSIVE PREAMP)

Energy Storage: 110.000uF

Class operating: LESS THAN 10W IN CLASS A THE REST IN AB

NOTE: THERE IS NO SWITCHING IN AB, THE AB COME IN SUSTAIN, THE CLASS A IS ALWAYS ACTIVE.

Feedback: NO GLOBAL FEEDBACK, ONLY LOCAL IN THE DRIVER STAGE

Power Consumption:

Idle power draw: 68W

Full Rated Power: 740W

Product dimensions and weight: 400mm X 385mm X 160mm - 18.6Kg

Case dimensions and weight: MILITARY CASE 670mm X 510mm X 262mm - 13.4Kg
VOLUME: 56.1lt/14.79gal

