



ACUHORN

6C33C AMPLIFIER DESIGN



HERE YOU ARE 6C33C

THE ESSENCE DESIGN AMPLIFIER, IS TO ESTABLISH THE HIGHEST POSSIBLE LEVEL OF AMPERES WORK IN CLASS-A

PLATE DISSIPATION 60W

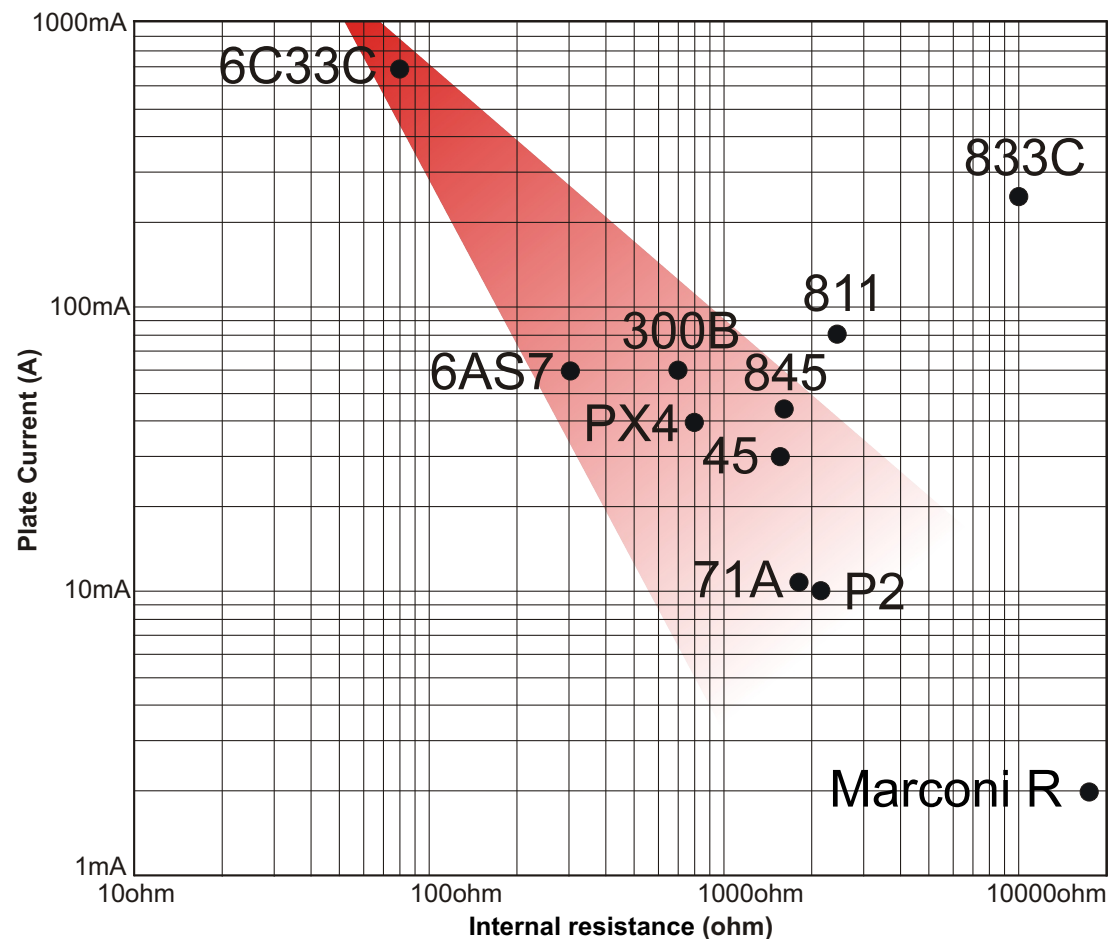
PLATE VOLTAGE 120V

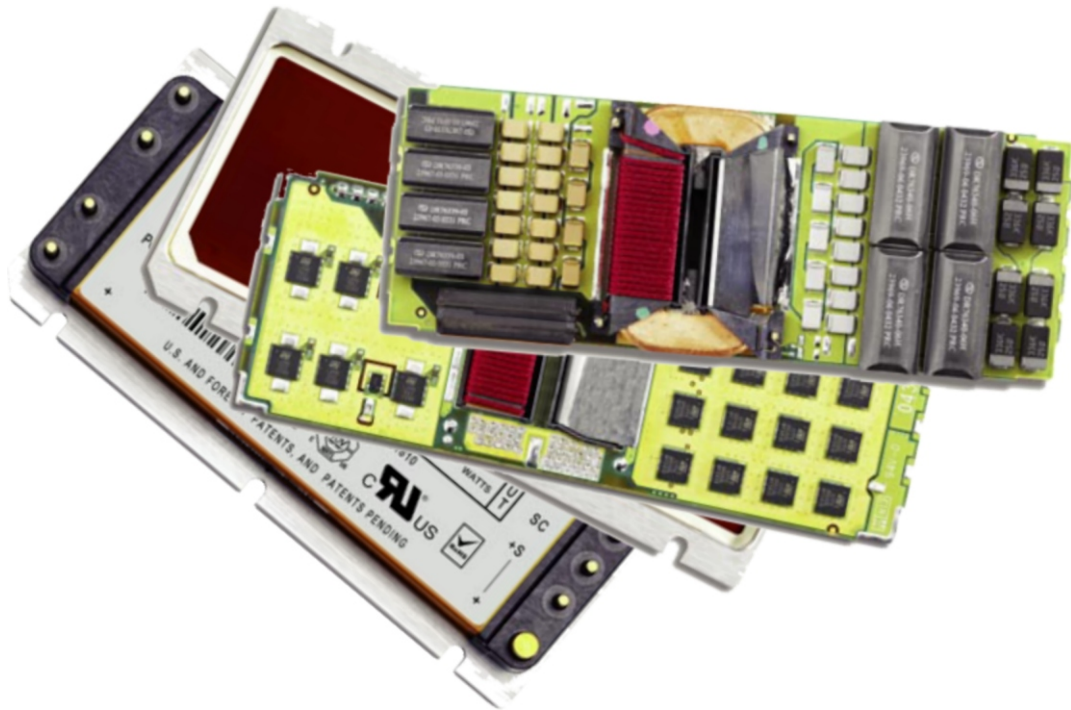
PLATE CURRENT 600 MA (1 200 MA PEAK) 750 H RELIABILITY

INTERNAL RESISTANCE RP 80

WARM-UP TIME TO 90% EMISSION 120 S

SELECT TUBE BY AMPERES AND INTERNAL RESISTANCE





VICOR MODULES

ARE POWERFUL AND CLOSER TO THE IDEAL SOURCE. CAN YOU IMAGINE, THE RESPONSE SPEED IN MEGAHERTZ, THE CURRENT FLOWING CONTINUOUSLY SUPER-STABLE.

REGULATION: $\pm 0.5\%$ NO LOAD TO FULL LOAD

EFFICIENCY: UP TO 90%

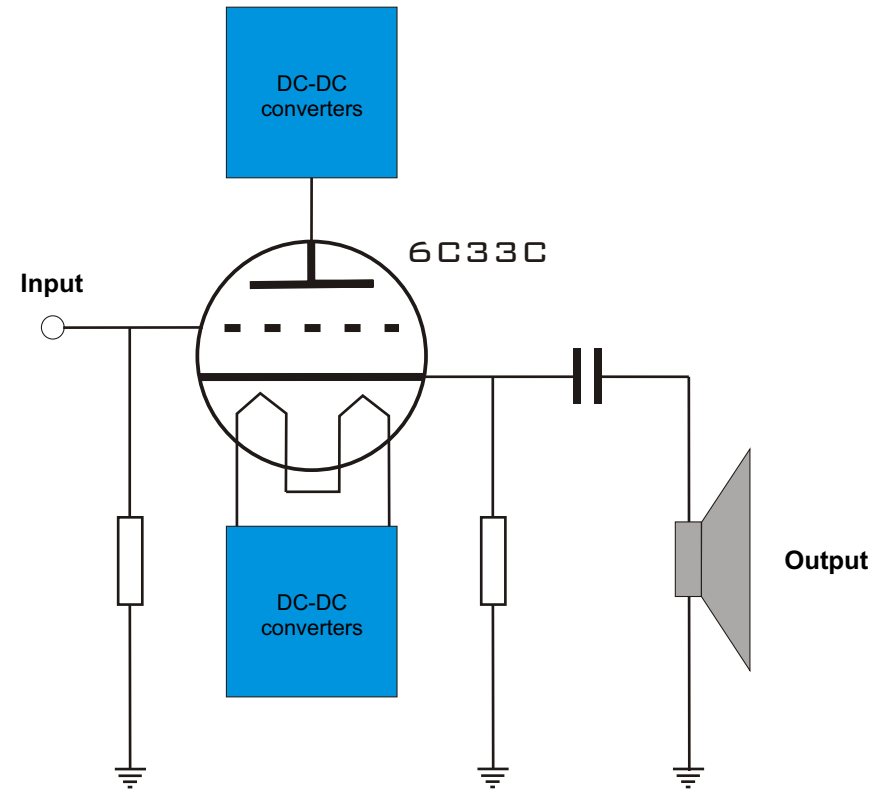
MAXIMUM OPERATING TEMP: 100°C , FULL LOAD

POWER DENSITY: UP TO 90 W PER CUBIC INCH

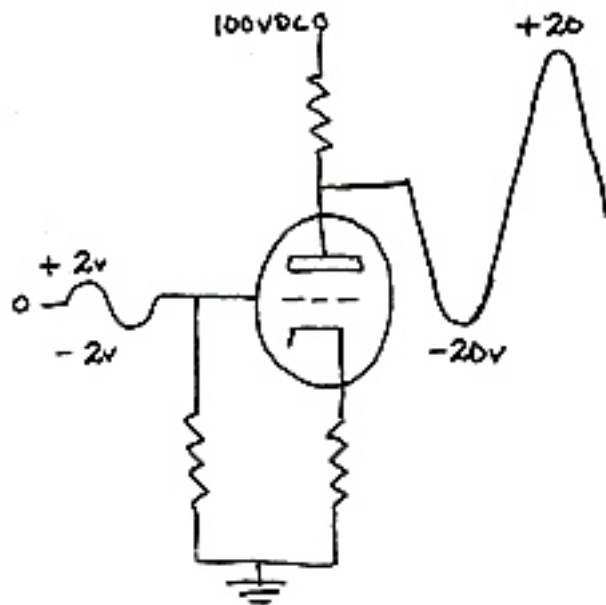
HEIGHT ABOVE BOARD: 0.43 IN. (10,9 MM)

MORE CURRENT FROM TUBE

SCHEMATIC STAGE TUBE AMPLIFIER LOW IMPEDANCE OUTPUT



Cathode Follower with Resistor



CLASS A TUBE AMPLIFYING

DRIVER TUBE 6814 RAYTHEON

SUBMINIATURE TUBES WERE SOME OF THE MOST METICULOUSLY BUILT AND MOST RIGOROUSLY TESTED OF ALL TUBES, AS THEIR MAIN INTENDED USE WAS EXTREME MILITARY APPLICATIONS.

PLATE DISSIPATION 2,2W

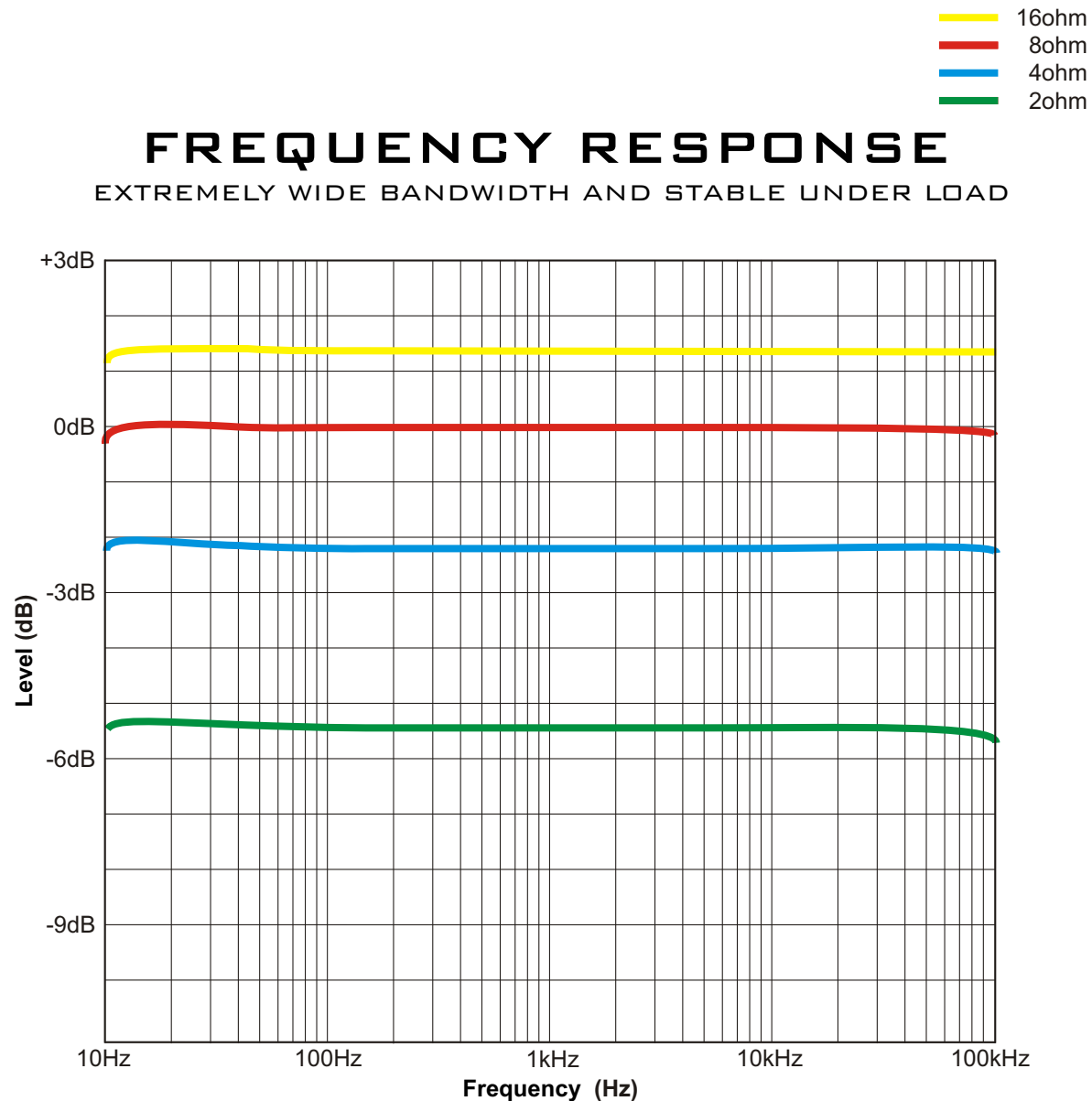
PLATE VOLTAGE 100V

PLATE CURRENT 22 MA (110 MA PEAK)

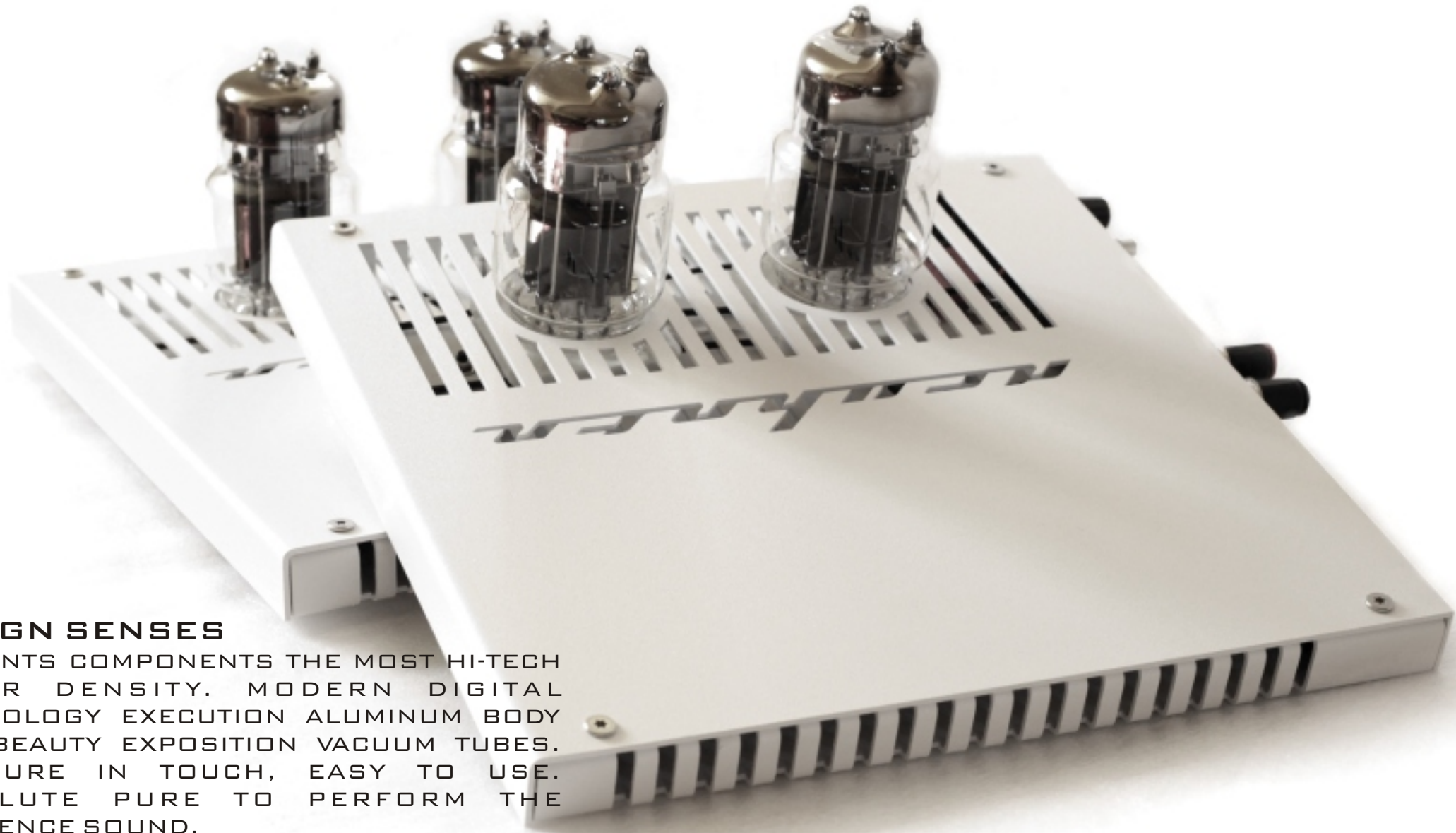
PLATE RESISTANCE 4800

FREQUENCY RESPONSE

EXTREMELY WIDE BANDWIDTH AND STABLE UNDER LOAD



ACUHORN



DESIGN SENSES

PRESENTS COMPONENTS THE MOST HI-TECH
POWER DENSITY. MODERN DIGITAL
TECHNOLOGY EXECUTION ALUMINUM BODY
WITH BEAUTY EXPOSITION VACUUM TUBES.
PLEASURE IN TOUCH, EASY TO USE.
ABSOLUTE PURE TO PERFORM THE
REFERENCE SOUND.

CONNECTING

NECESSARY IS AC POWER PLUGS MUST BE CONNECTED TO THE EARTH (GROUND).

EACH AMPLIFIER UNIT IS RECOMMENDED TO CONNECT TO AC POWER SOCKETS OF INDEPENDENT THREE-PHASE ELECTRIC POWER.

IT CONNECTS WITH A MAINS SUPPLY VOLTAGE IN AUTORANGING 90 – 265 VAC @50/60 HZ.

AMPLIFIER IS READY FOR WORK AFTER INSERTING TUBES 6C33C IN THEIR SOCKETS.

TO DRIVE THE FULL POWER NEED INPUT VOLTAGE 2.0 V RMS TO CONNECT ANALOGUE TYPES RCA PHONO

FRONT THE INPUT AUDIO SIGNAL IS 21 POSITIONS STEPPED ATTENUATOR FOR VOLUME CONTROL.

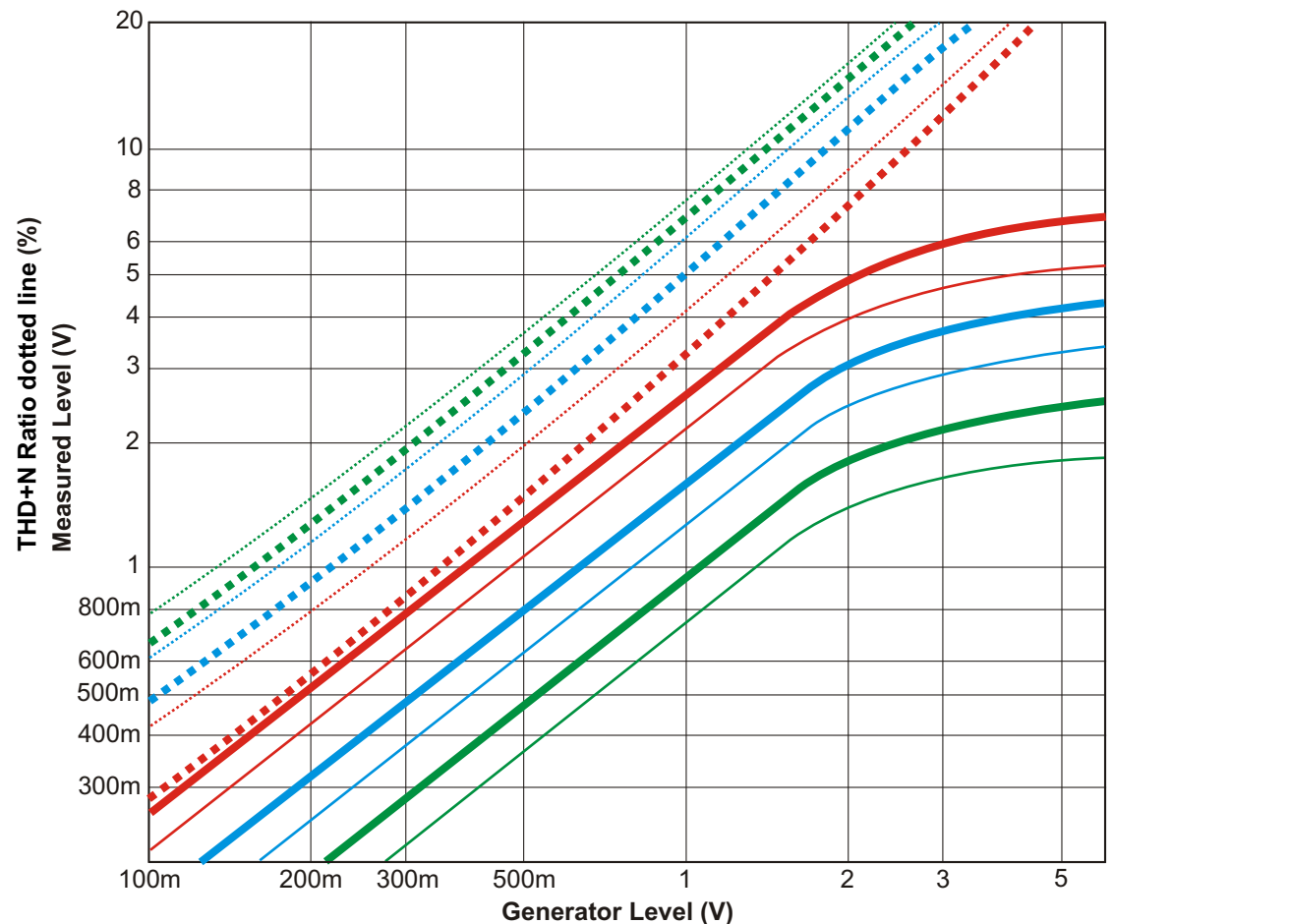
SPEAKERS TO CONNECT TO THE BINDING POST BEFORE RUNNING POWER. DISCONNECT THE SPEAKERS WHEN THE POWER IS TURNED OFF.

THE MAIN RED BUTTON SWITCHES IT ON.

AMPLIFIER READY IS AFTER 120S, TO FULLY WARM THE TUBES SEVERAL MINUTES ARE REQUIRED.

MEASUREMENTS

STEPPED LEVEL SWEEP VS THD+N RATIO





CAUTION

YOU MUST NOT TAKE OUT TUBES DURING WORK – IT MAY RESULT IN BURNING ONESELF.

THE AMPLIFIER WARMS UP SUBSTANTIALLY DURING WORK BECAUSE OF CLASS-A OPERATION MODE.

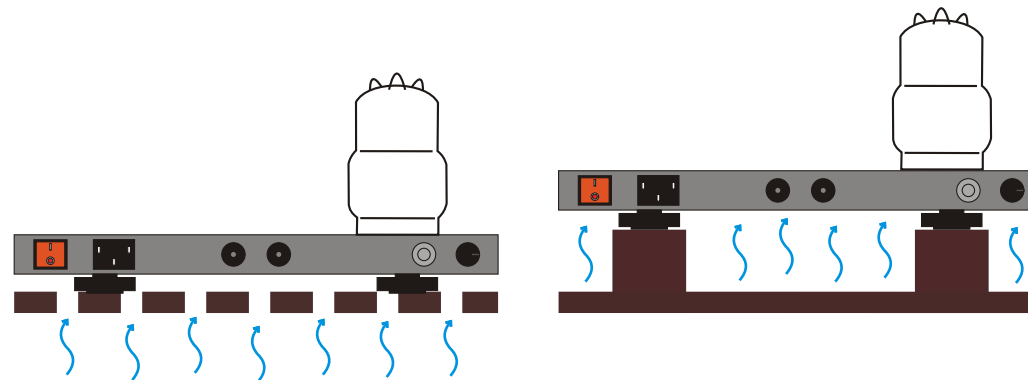
IT IS RECOMMENDED TO LOCATE THE AMPLIFIER IN COOL - AIRY SPOTS,

FAR FROM ACCIDENTAL REACH TO AVOID RANDOM TOUCH AND BURN.

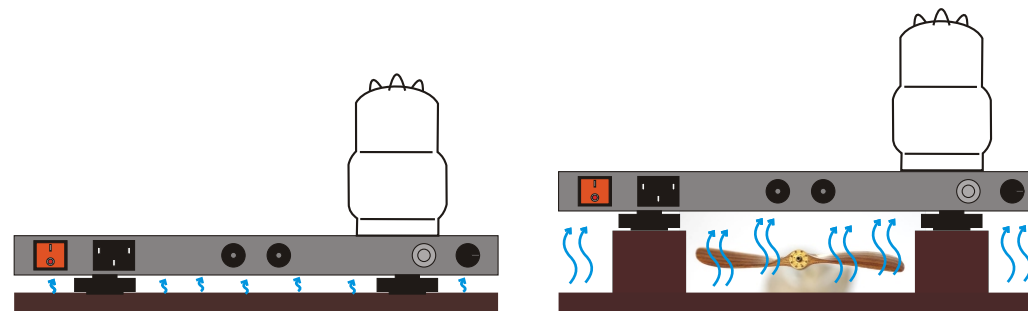
THE SHELVES, WITH ITS BOTTOM LIFTED ON STANDS TO ENABLE AIR CIRCULATION UNDER ITS BOTTOM.

RESISTANCE TO TEMPERATURE

AIR CIRCULATION UNDER ITS BOTTOM



neutral range of living room temperature
up 18°C / 64°F to 22°C / 71.6°F



FORCED-AIR COOLING

ambient below 18°C / 64°F

ambient up 28°C / 82°F



MORE IS BETTER

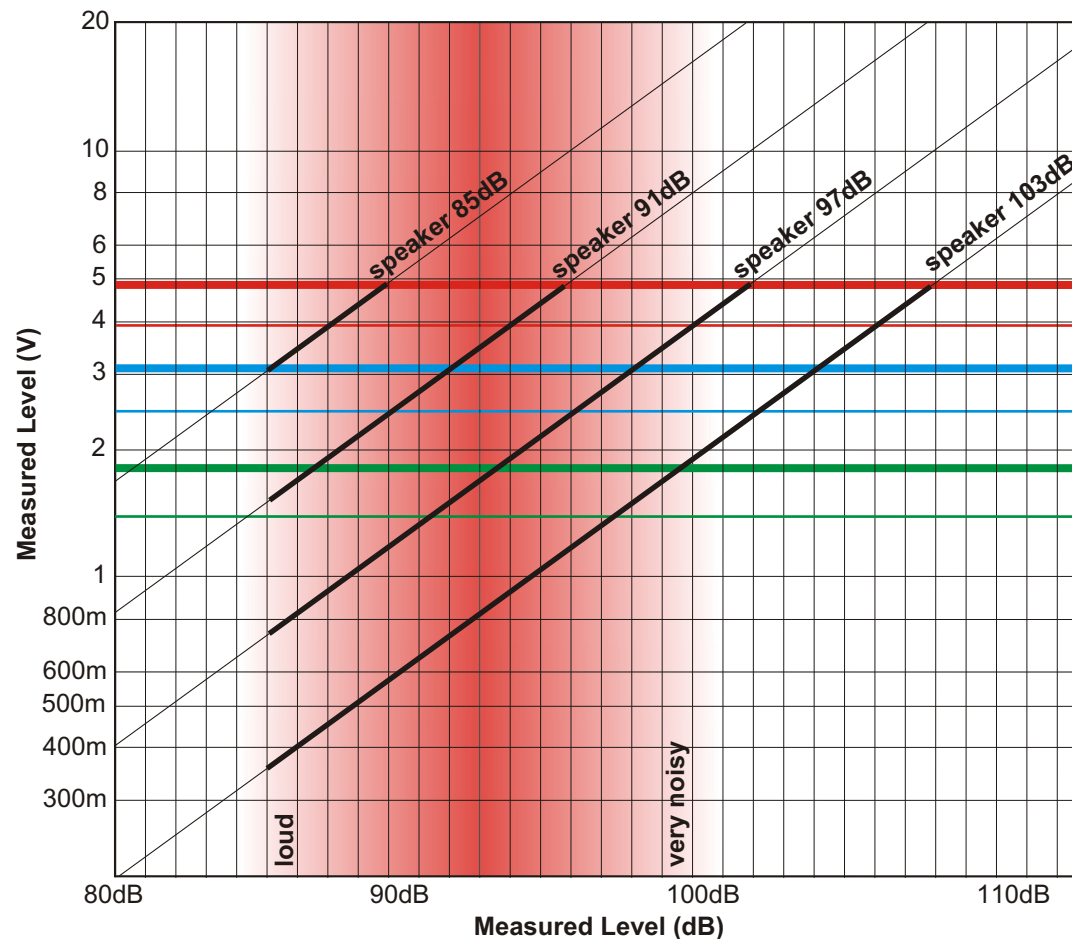
SENSIVITY SPEAKERS MORE THEN 91 DB GIVE SOUND EXCELLENT FOR LIVE MUSIC IN THE LISTENING ROOM.

THE IMPEDANCE 4 OHMS WILL GIVE MORE POWER FROM THE AMPLIFIER TO FULL PERFORMANCE.

CHOICE SPEAKERS

LEVEL CHOICE OF SENSIVITY SPEAKERS

- M4 8ohm
- M4 4ohm
- M2 / S2 8ohm
- M2 / S2 4ohm
- S1 8ohm





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AWARD & REVIEW

2003 ESTABLISHMENT OF THE COMPANY
2004 AWARD OF THE YEAR 2004 ACUHORN NERO125 CLASSIC IN HIGH FIDELITY
2005 MUNICH HIGH END 2005 PREMIERE ACUHORN GRAND BIANCORE155 CLAASSIC
2007 AWARD OF THE YEAR 2007 FOR ACUHORN ROSSO SUPERIORE175 IMPROVED AUDIO
2009 REVIEW ENJOY THE MUSIC ACUHORN NERO125 IMPROVED AUDIO
2009 REVIEW TNT-AUDIO ACUHORN NERO125 IMPROVED AUDIO
2010 AWARD STATEMENT HIGH FIDELITY BEST AMPLIFIER 2010 MONO3.5
2013 REVIEW HIGH FIDELITY ACUHORN GIOVANE85 SUPERLEGGERA
2014 NEW ACUHORN 6C33C TUBE AMPLIFIERS OUTPUT TRANSFORMERLESS