

Four 6C33C vacuum tubes are arranged in a row, receding into the background. They are glass-encased with visible internal structures and multiple pins at the base. The tubes are resting on a dark, flat surface. The lighting is dramatic, highlighting the metallic and glass surfaces.

ACUHORN

6C33C AMPLIFIER DESIGN

OTL



HERE YOU ARE 6C33C.

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

PLATE DISSIPATION 60W

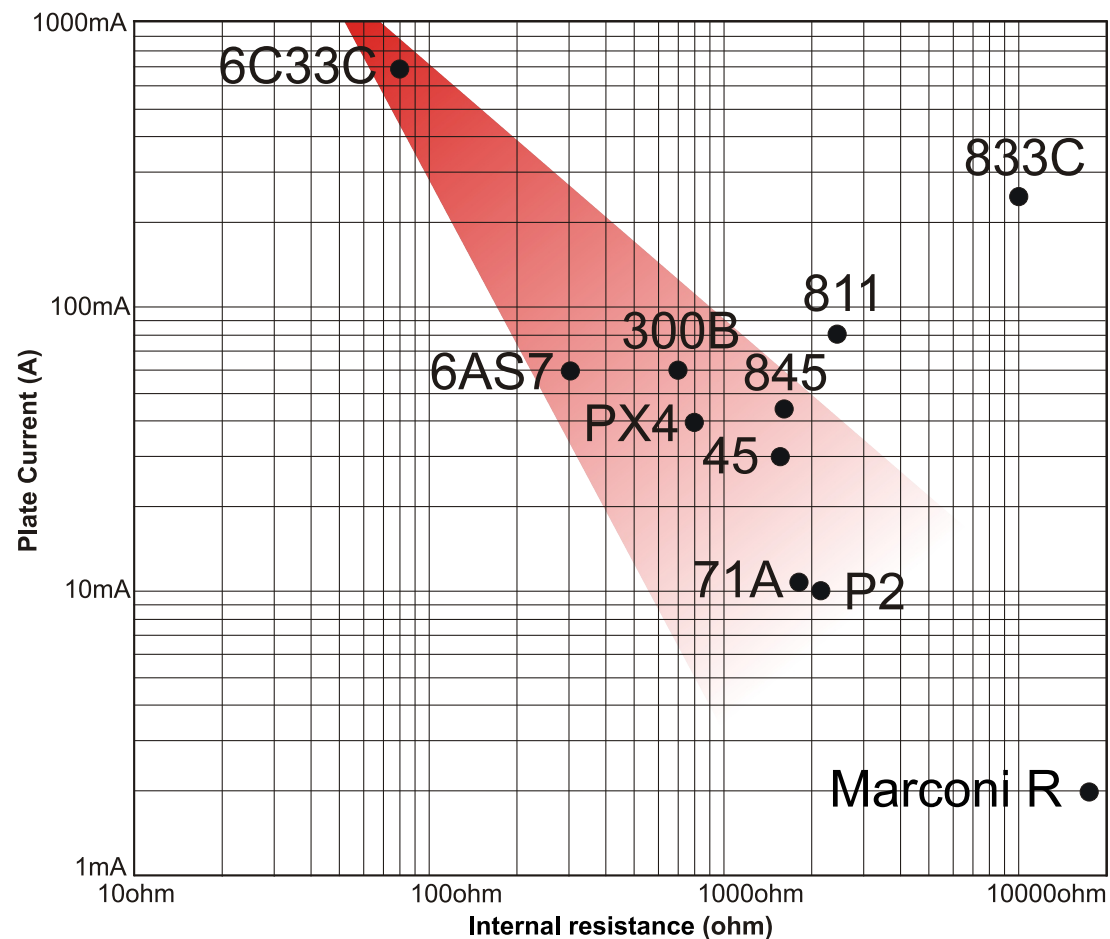
PLATE VOLTAGE 120V

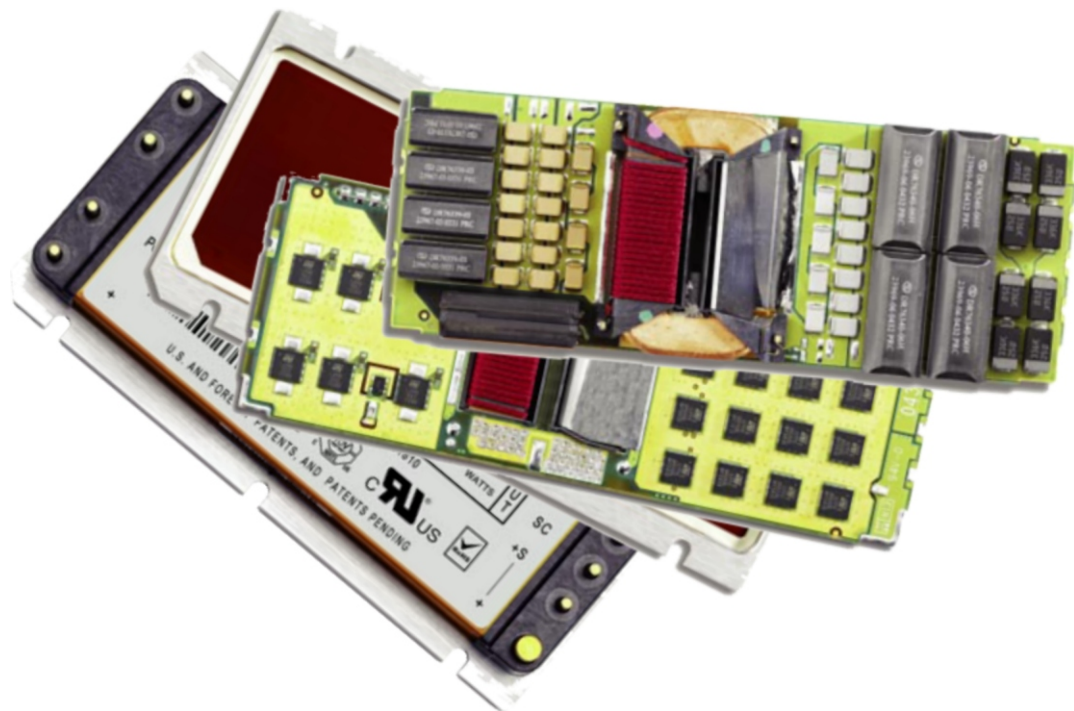
PLATE CURRENT 600 MA (1200 MA PEAK) 750 H RELIABILITY

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%

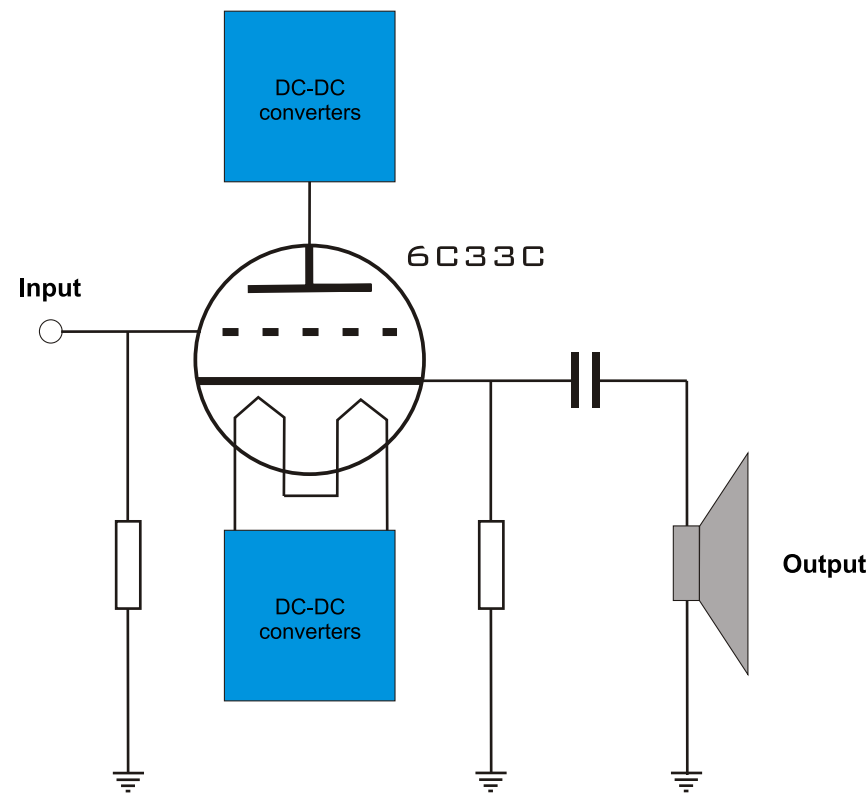
MAXIMUM OPERATING TEMP: 100°C , FULL LOAD

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



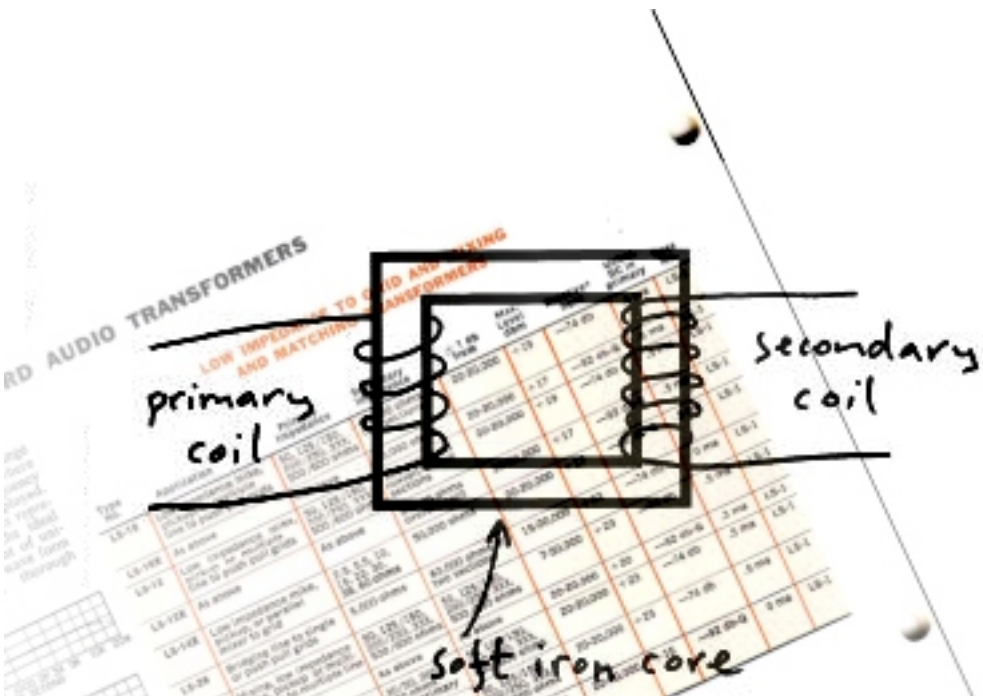
Cathode Follower with Resistor

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.





LINE TO GRID TRANSFORMER

DESIGNED FOR INPUT 600 OHM SOURCES
SIMILAR TO THE UTC LS-10

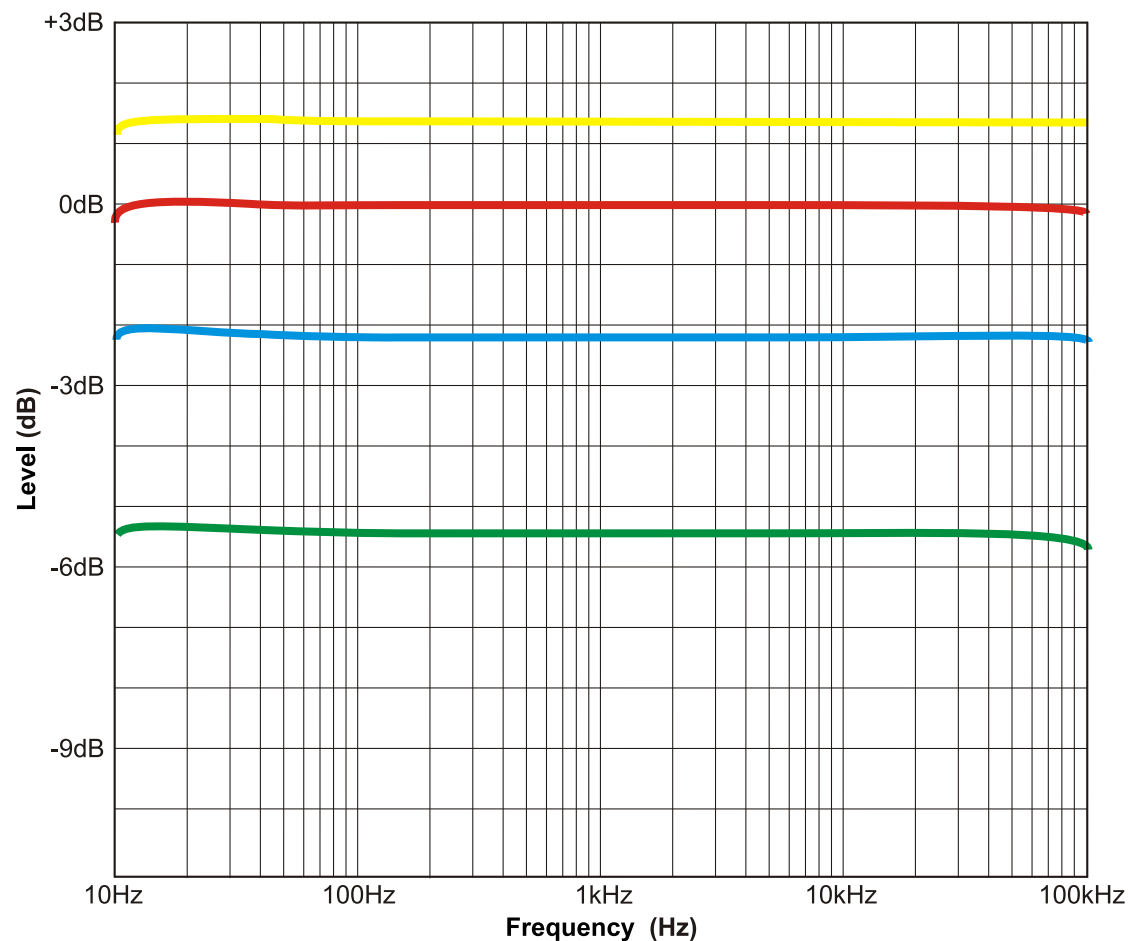
ABSOLUTELY MINIMALIST AUDIO PATH

ONLY ONE 6C33C TUBE IS SERVICEABLE
PART TO BE EXCHANGED WHEN USED UP

16ohm
8ohm
4ohm
2ohm

FREQUENCY RESPONSE

EXTREMELY WIDE BANDWIDTH AND STABLE UNDER LOAD



CONNECTING

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

EACH AMPLIFIER UNIT IS RECOMMENDED TO CONNECT TO INDEPENDENT AC POWER SOCKETS.

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.

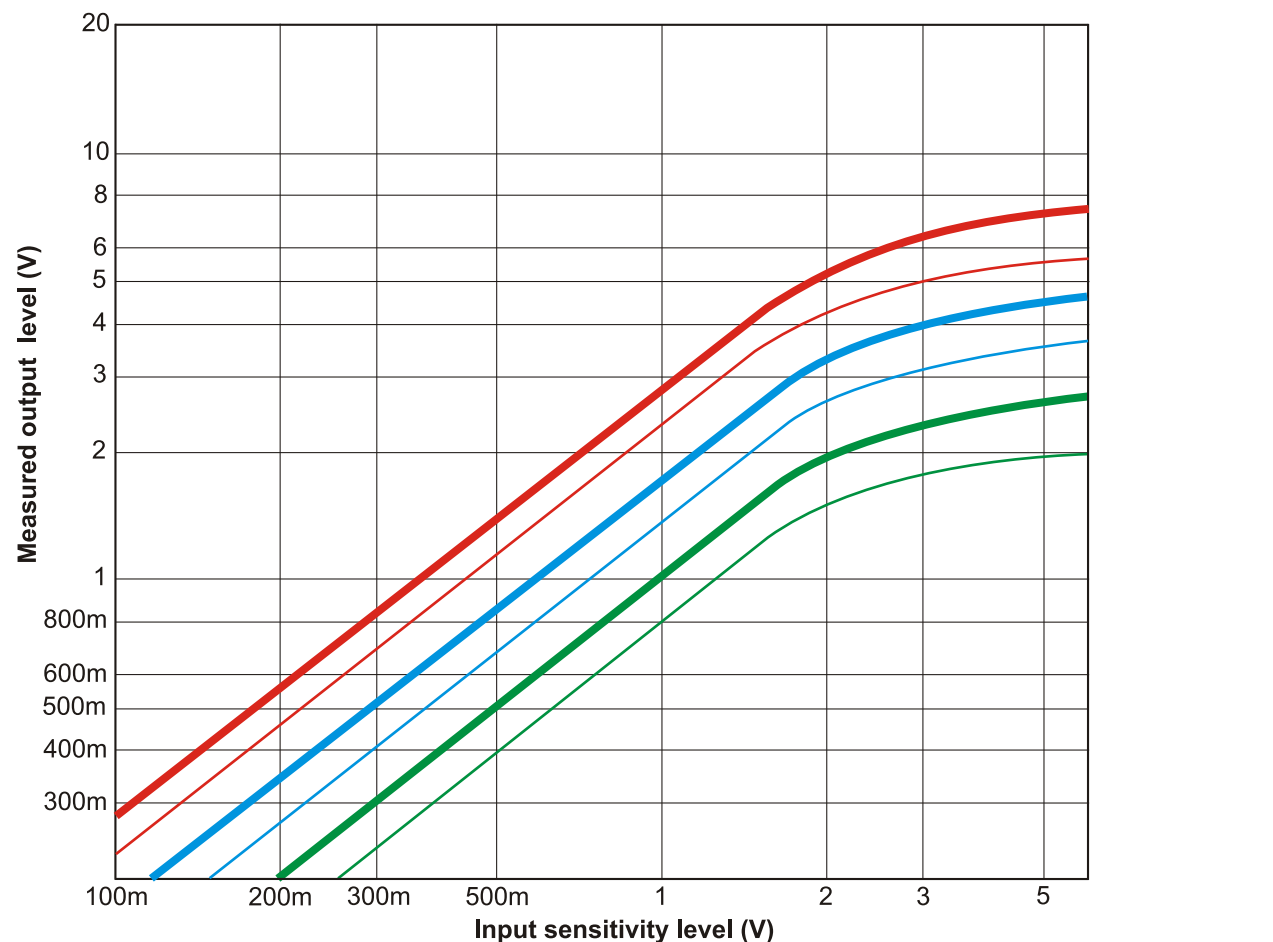
SPEAKERS TO CONNECT TO THE BINDING POST BEFORE RUNNING POWER. DISCONNECT THE SPEAKERS WHEN THE POWER IS TURNED OFF.

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





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.

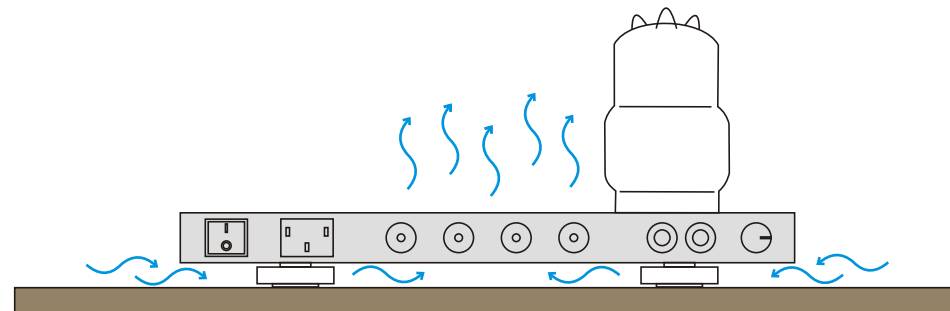
AMPLIFIER IS FORCED-AIR COOLED BY THE FAN.

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

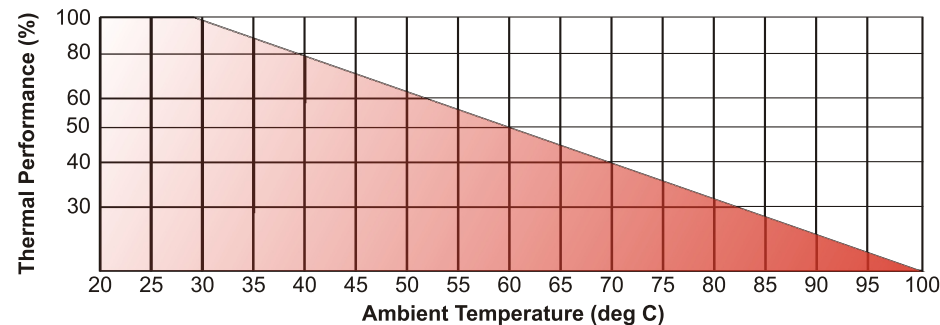
PLACE FAR FROM ACCIDENTAL REACH TO AVOID RANDOM TOUCH AND BURN.

RESISTANCE TO TEMPERATURE

THE AIRFLOW UNDER THE CHASSIS



AMBIENT TEMPERATURE UP 28°C / 82°F



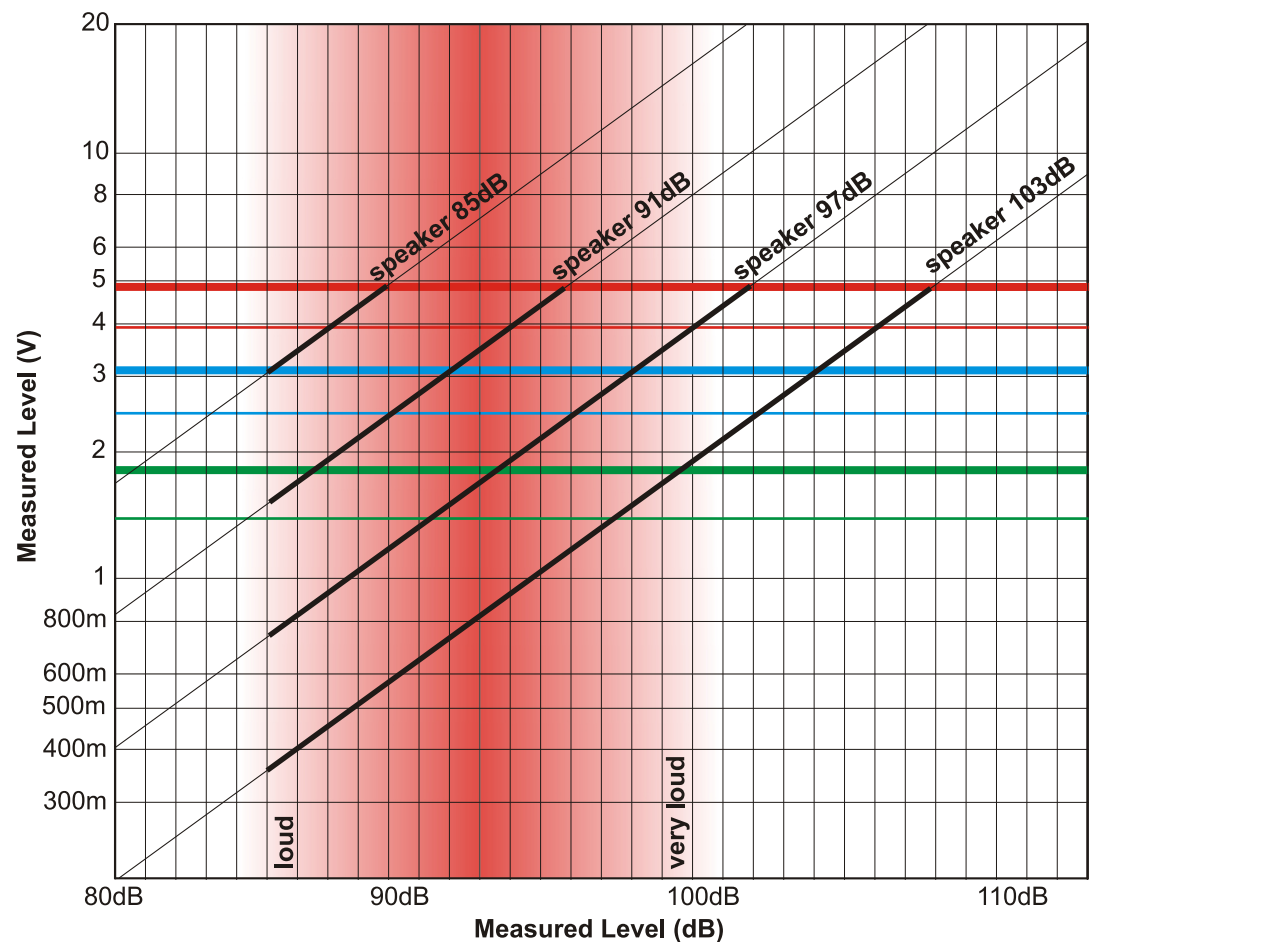


MORE IS BETTER

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



WOJCIECH UNTERSCHUETZ

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ACUHORN PRODUCT HISTORY

2003 ACUHORN SECCO145 CLASSIC

2004 ACUHORN ROSSO135 CLASSIC

2004 ACUHORN NERO125 CLASSIC AWARD 2004 IN HIGHFIDELITY

2005 ACUHORN GRAND BIANCORE155 CLASSIC

2006 ACUHORN ROSSO SUPERIORE175 CLASSIC

2007 ACUHORN ROSSO SUPERIORE175 IMPROVED AUDIO AWARD 2007 IN HIGHFIDELITY

2007 ACUHORN NERO125 IMPROVED AUDIO

2010 NOWE AUDIO MONO3.5 MONOBLOCK AMPLIFIER MOSFET AWARD 2010 IN HIGHFIDELITY

2012 ACUHORN GIOVANE85 SUPERLEGGERA

2012 ACUHORN NERO125 SUPERLEGGERA

2012 ACUHORN ROSSO SUPERIORE175 SUPERLEGGERA

2013 ACUHORN STEREO3 STEREO AMPLIFIER MOSFET

2013 ACUHORN MONO6 MONOBLOCK AMPLIFIER MOSFET

2014 ACUHORN S1 STEREO TUBE AMPLIFIER OTL

2014 ACUHORN S2 STEREO TUBE AMPLIFIER OTL

2014 ACUHORN M2 MONOBLOCK TUBE AMPLIFIER OTL

2014 ACUHORN M4 MONOBLOCK TUBE AMPLIFIER OTL

2016 ACUHORN 15

2016 ACUHORN TT TUBE AMPLIFIER