

EVOLUTION MA 3.2S

Mono-Power Amplifier with 420 Watt



The MA3.2S mono power amps in brief:

- **Balanced XLR and unbalanced RCA inputs**
- **2 separate power supplies for input section and power output stages.**
- **Linear power supply with 750-VA-Transformer**
- **Filter capacity over 50.000 μ F**
- **High Efficiency switching power amplifier stage with 420 W**
- **Intelligent protection circuits monitor DC, overheat, short circuit**
- **NF-controlled on/off and trigger input (on/off)**
- **Comfortable on/off function in conjunction with AVM pre amps**
- **Environmentally friendly standby power consumption below 1 Watt**
- **Case made of solid aluminum anodized in silver or black, chrome front available (option)**

A stunning sound quality unheard of in this class combined with enormous power and a reduce-to-the-max design make heads turn for the MA 3.2S. Perfectly machined and handcrafted aluminum cases without visible screws make the MA3.2S an esthetic appearance. The entire massive aluminum housing also serves as heat sink for the amplifier. Two MA3.2S combined will add up in width to just all other EVOLUTION components. In height the MA3.2S equals the components of the EVOLUTION 5.2 series. Standard finishes are aluminum silver or black anodized, a chrome front may be supplied as an option.

The MA3.2S has been modified in numerous details over its predecessor. An entirely new designed main transformer is applied in the MA3.2S. This transformer now has grown as a side effect slightly in height and as a result the MA3.2S grew approx. 10mm over the previous version. The new power transformer offers an even more efficient energy yield and it is at the same time more tolerant against external AC-mains pollution. The filter banks have also been optimized in order to come another step closer to our goal: The perfect sound!

The MA3.2S may be connected balanced or unbalanced to matching preamplifiers. In conjunction with AVM preamplifiers like the PA3.2 or PA5.2, the MA3.2S offers a comfortable on/off management handled via the audio connectors without additional cables i.e for the DC-trigger needed.

Separate power supplies for the input and output stages of the MA 3.2 ensure a signal processing and handling without any loss in fine details. All signal paths are logically arranged and represent the shortest possible signal path. Class D Amplifier output stages drive all speakers available in the market with ease and extreme control related to the amplifiers high damping factor. The sound characteristic of the MA 3.2S may be changed in three steps so that the Power Amp may be adjusted to personal listening preferences easily.

The high efficiency switching amplifier translates incoming music signals to the loudspeaker with an efficiency of over 95 %. Relatively to the music signal very little dissipating heat is produced. The MA3.2S may drive all categories of loudspeakers with ease, even speakers with low efficiency or with very low impedance.

Like all AVM hi-fi components the MA3.2S is carefully developed and assembled by our engineers in Malsch, Germany. Our vendors for housing and electronic parts reside all near-by. This proximity helps us to easily ensure and maintain superb quality level of the supplied parts for the AVM hi-fi components made of these.

During the manufacturing process we perform repeatedly numerous tests to insure the absolute quality of our products. When the assembling is finished and the first inspection is done all units must pass a run in test in order to prove their reliability. After that a careful final inspection follows before packing & shipping. All this ensures creating a perfect product from AVM for our customers.

Technichal Data EVOLUTION MA3.2S

Input sensitivity	625 mV (for 25 W / 4 Ohm)
Input impedance Cinch	10 kOhm
Input impedance XLR	10 kOhm
SNR (25W in 4 Ohm)	100 dB / 104 dB(A)
Intermodulation (25 W/4 Ohm)	< 0,1 %
Frequency range	< 5 Hz - > 50 kHz
Damping factor	>200
Rated Power	420 Watt (4 Ohm) / 220 Watt (8 Ohm)

General

Power supply	120V/60Hz, 230V/50Hz
Power consumption (max.)	750 W
Standby	<1 W
Dimensions (W x H x D)	230mm x 100mm x 380mm
Weight	13 kg