

## TECHNICAL PARAMETERS Amplifier BAA 500

Continuous sine output power <sub>RMS</sub> , max.	500 VA
Frequency range (small signal / full power)	DC - 180 kHz / 20 Hz - 25 kHz
Voltage-/Current mode	yes/yes
Output voltage <sub>RMS</sub> , max.	45 V
Output current <sub>RMS</sub> , max. (below 5 Hz)	11.2 A
Optimum load impedance	4 Ohm
Signal input voltage <sub>PK</sub> (at 1 kHz sine for max. power)	3.5 V
Distortion (frequency range 40 Hz to 5 kHz)	< 0.05 %
Signal to noise ratio	> 110 dB
Total mass	18 kg
Dimensions (WxHxD)	440 x 90 x 290 mm
Power supply Amplifier	1~ / N / PE 230 V±5% 50/60 Hz, CEE 7/7
Recommended fuse protection	16 A slow
Max. power consumption at 230 V (at full load)	1200 VA
Max. power consumption at 230 V (at operation with vibration test system TV 51120)	350 VA
Interlocks:	Overload, temperature, clipping

### Features:

- TIRA analog amplifiers can be adapted to all permanent magnet driven shakers on the market
- High Signal to noise ratio of > 110 dB
- Low distortion factor of < 0.05 %
- OLED display panel
- Safety management system monitors functions as temperature, overcurrent and overtravel
- Available operating voltage ranges (100 V, 120 V or 230 V factory-set) on customer request
- Operation switchable to current- or voltage mode
- Adjustable current limit
- Phasing between input- and output signal 180° switchable
- Power cable length 1.5 m with CEE 7/7 connector (or customer request)

