

## TECHNICAL PARAMETERS Amplifier BDA 1300

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| Continuous sine output power <sub>RMS</sub> , max.                                    | 1296 VA  |
| Frequency range   | DC - 25 kHz  |
| Voltage-/Current mode   | yes/yes  |
| Output voltage <sub>RMS</sub> , max.  | 72 V   |
| Output current <sub>RMS</sub> , max. (below 5 Hz)                                     | 18 A   |
| Optimum load impedance  | 4 Ohm  |
| Signal input voltage <sub>PK</sub><br>(at 1 kHz sine for max. power)                  | 3.5 V  |
| Distortion (frequency range 40 Hz to 1 kHz)   | < 0.1 %  |
| Signal to noise ratio   | > 90 dB  |
| Total mass  | 22 kg  |
| Dimensions (WxHxD)  | 440 x 90 x 450 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<br>(at full load)                                     | 2200 VA  |
| Max. power consumption at 230 V<br>(at operation with vibration test system TV 51140) | 1220 VA  |
| Interlocks:   | Overload, temperature, clipping, cooling air, overtravel |

### Features:

- TIRA analog amplifiers can be adapted to all permanent magnet driven shakers on the market
- High Signal to noise ratio of >90 dB
- Low distortion factor of < 0.1 %
- OLED display panel
- Safety management system monitors functions as temperature, overcurrent, clipping, shaker cooling 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)

