



AEX System BA series Power Amplifiers are specially designed to provide amplification for all audio signals after a preamplifier, matrix or any Network Audio Extracts. It uses the high quality and robust Class AB circuit. The power amplifiers provide wide frequency response, low THD+Noise and high Signal-to-Noise ration. It is coupled with a sensitive resettable fuse for over current protection. The BA series uses the toroidal transformer technology that reduces electromagnetic noise and improves power efficiency.

The Input connector is a screw terminal block that eases the power amplifiers to be connected in parallel configuration. There are 3 models in the BA series Power Amplifier; BA 1015 150W Power Amplifier; BA 1030 300W Power Amplifier and BA 1048 480W Power Amplifier.

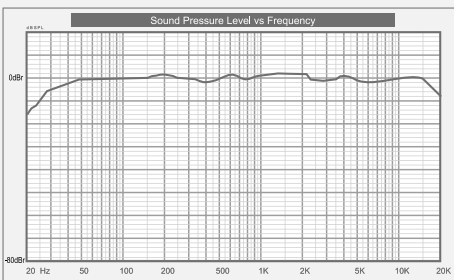
- High Quality and Robust design
- Resettable fuse for over-current protection
- Toroidal transformer technology improves power efficiency
- Wide Frequency Response
- Low THD+Noise (less than 1%)
- BA 1015: 150W Power Amplifier
- BA 1030: 300W Power Amplifier
- BA 1048: 480W Power Amplifier

BA1015
BA1030
BA1048

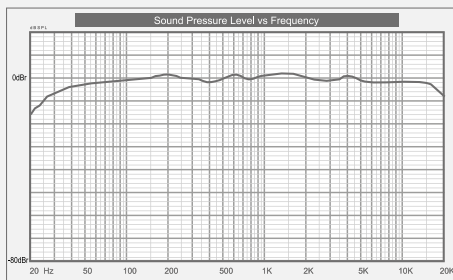


Technical Specifications

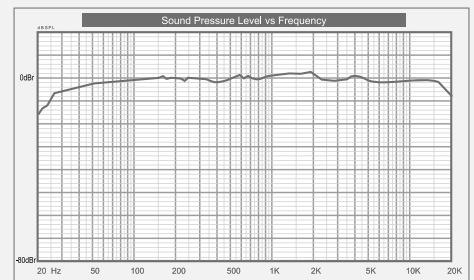
	BA1015	BA1030	BA1048
Rated Power Output	150W	300W	480W
Frequency Response	40Hz - 20KHz	40Hz - 20KHz	40Hz - 20KHz
THD + Noise	< 1% at 1kHz	< 1% at 1kHz	< 1% at 1kHz
Signal-to-Noise	> 80dB	> 80dB	> 80dB
Audio Input Connector	Screw terminal	Screw Terminal	Screw Terminal
Audio Input Sensitivity	0dB	0dB	0dB
Input Impedance	10kΩ (Balance)	10kΩ (Balance)	10kΩ (Balance)
Load Impedance	67Ω	33Ω	21Ω
Audio Output Connector	Screw Terminal	Screw Terminal	Screw Terminal
Protection Circuit	Overload Circuit Breaker	Overload Circuit Breaker	Overload Circuit Breaker
Dimensions (WxHxD)	483 x 87 x 270mm	483 x 87 x 270mm	483 x 87 x 270mm
Weight	8 Kg	9 Kg	12 Kg
Power Requirement	220 ~ 240 Vac mains 50/60Hz or 24Vdc Battery Backup		
Operation Temperature	-10°C to 40°C		
Relative Humidity	<90%		



BA1015



BA1030



BA1048



BA1015



BA1030



BA1048



Engineers' Specification

The audio power amplifier shall have a balanced line level input with gain control. The total harmonic distortion at rated output shall be less than 1 % at 1 kHz, and frequency response shall be 40 Hz to 20 kHz. The unit shall consist of a Class AB transistor drive circuit with a circuit breaker current overload protection and thermal overloading cut off. The unit shall be fan cooled with a friction-less fan design and integrated with a toroidal output transformer designed for 100Vline distributed speaker system.

It shall deliver amplification power of 150W rms (BA 1015) / 300W rms (BA 1030) / 480 W rms (BA 1048). The unit's power supply shall feature a high efficiency power transformer and operate off mains supply or 24 Vdc battery backup supply. The unit shall be 19" rack mountable with dimensions not exceeding 483 x 87 x 270 mm. Weight shall not exceed 8kg (BA 1015) / 9kg (BA 1030) / 12kg (BA 1048).