



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 ratio. 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.

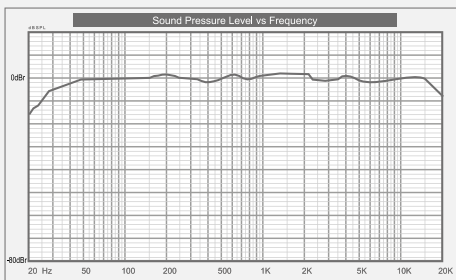
- High Quality and Robust design
- Resettable fuse for over-current protection
- Toroidal transformer technology improves power efficiency
- Wide Frequency Response
- Low THD+Noise (less than 1%)
- BA 1015: 150W Power Amplifier
- BA 1030: 300W Power Amplifier
- BA 1048: 480W Power Amplifier

BA1015  
BA1030  
BA1048

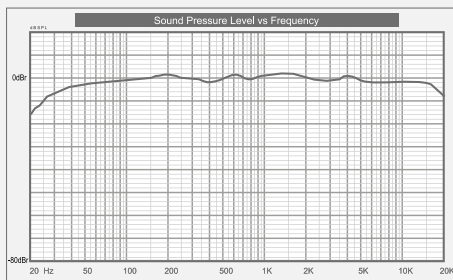


### Technical Specification

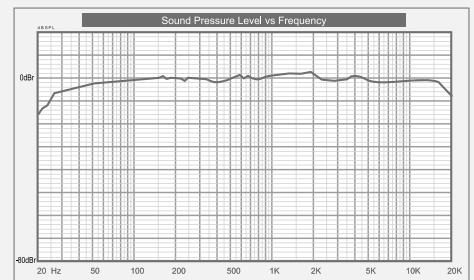
	BA 1015	BA 1030	BA 1048
<b>Output Power</b>	1 x 150 W	1 x 300 W	1 x 480 W
<b>Frequency Response</b>	40 Hz to 18 kHz within $\pm 3$ dB (1kHz ref.)		
<b>Total Harmonic Distortion</b>	Less than 1%		
<b>Signal-to-Noise Ratio</b>	>80 dB		
<b>Input Connections (per channel)</b>	Terminal Block		
<b>Input Level</b>	0 dB		
<b>Input Impedance</b>	10 kW ( balanced )		
<b>Max Load Impedance (per channel)</b>	66.7 $\Omega$	33.3 $\Omega$	21 $\Omega$
<b>Power Consumption at rated output</b>	210 W	355 W	624 W
<b>Power Requirement</b>	220 - 240 V AC mains 50/60 Hz or 24 V DC		
<b>Operating Temperature</b>	-10 C to 40 C		
<b>Storage Temperature</b>	0 C to 70 C		
<b>Relative Humidity</b>	< 95%		
<b>Material &amp; Finish</b>	Mild Steel Casing, Epoxy Coated Textured Black		
<b>Dimensions</b>	483 x 87 x 270mm (W x H x D)		
<b>Weight</b>	6.4 kg	7.8 kg	9.4 kg



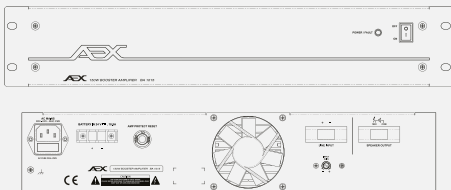
BA1015



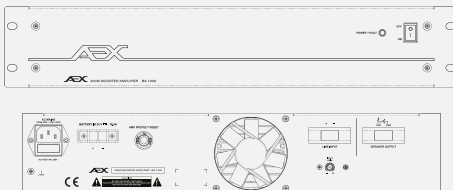
BA1030



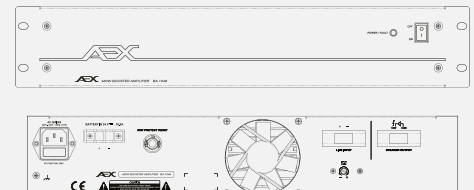
BA1048



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).