

# KICKER®

49WXA3600.1

3600 Watt Class D Mono Amplifier, RoHS Compliant

## Specifications

### Electrical Parameters

Power (@14.4V, <1%THD+N)	<b>4Ω</b>	1400W x 1
Power (@14.4V, <1%THD+N)	<b>2Ω</b>	2500W x 1
Power (@14.4V, <1%THD+N)	<b>1Ω</b>	3600W x 1
Dynamic Power (@14.4V, <10%THD+N)	<b>1Ω</b>	5000W
Lowest Rated Impedance		1Ω
Signal to Noise Ratio (CEA)	<b>1W</b>	>-70dB
Signal to Noise Ratio	<b>Rated Power</b>	>-90dB
CMRR	<b>50Hz</b>	-40dB
Input Impedance		>20kΩ
Frequency Response		10Hz - 200Hz
Variable LoPass Filter	<b>24dB / octave LR</b>	50Hz - 200Hz
Defeatable Subsonic Filter	<b>24dB / octave LR</b>	15Hz
Standby Current (Remote Off)		<2mA
Idle Current (Remote On)		<5A
Current Draw (Rated Power)		<400A
Efficiency (Rated Power)		>75%
Remote Gain Attenuation		-26dB - 0dB
Low Level Input Sensitivity		125mV - 5V
High Level Input Sensitivity		1V - 40V
Under Voltage Protection		6.5V (warning at 10.5V)
Over Voltage Protection		16V (warning at 15.25V)
Comp Mode Input Sensitivity		Fixed 4V
Comp Mode LP Crossover	<b>24dB / octave LR</b>	Fixed 200Hz

### What's in the box?

49WXA3600.1

WXARC Remote Level Control - 19.75ft locking 3.5mm cable included

WXAVM Diagnostic Tool - 19.75ft RJ45 cable included

WXA3600.1 Amplifier Owner's Manual

Hardware Pack - 3mm and 5mm hex key & mounting hardware

### Physical Materials

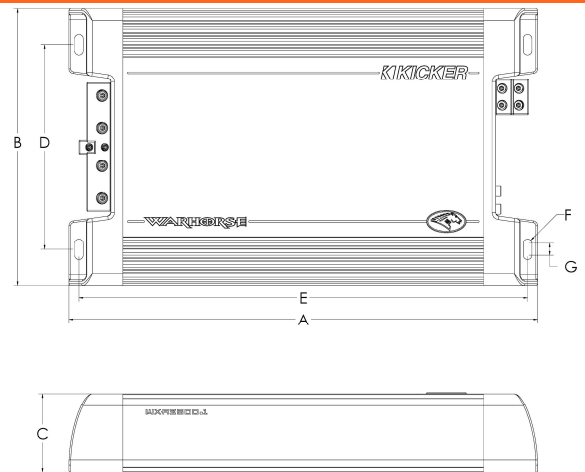
Heat Sink	Anodized Extruded Aluminum
End Caps	Powder Coated Cast Aluminum
Bottom Panel	Powder Coated Stamped Steel
WXARC	Powder Coated Aluminum Housing
WXAVM	Powder Coated Aluminum Housing



### Features

- **Competitor Mode** - fixed LoPass, fixed input sensitivity, and more
- **FIT+ Differential Inputs** - near universal compatibility with source units
- **Intake & Exhaust Fans** - microcontroller controlled fans
- **Defeatable 15Hz Subsonic Filter** for subwoofer protection
- **Fully Start/Stop Compliant** - operational down to 6.5V
- **Dual 1/0AWG Power & Ground Terminals**
- **Dual 4AWG Speaker Terminals**

### Unit Dimensions



A - Overall Length	<b>15-3/8"</b>	<b>391.0mm</b>
B - Overall Width	<b>9-1/8"</b>	<b>232.0mm</b>
C - Overall Height	<b>2-9/16"</b>	<b>65.0mm</b>
D - Mounting Holes Location - Width	<b>6-3/4"</b>	<b>172.0mm</b>
E - Mounting Holes Location - Length	<b>14-3/4"</b>	<b>375.0mm</b>
F - Mounting Hole Diameter	<b>5/16"</b>	<b>7.2mm</b>
G - Mounting Hole Width	<b>3/8"</b>	<b>10.0mm</b>

# Technical Graph Data

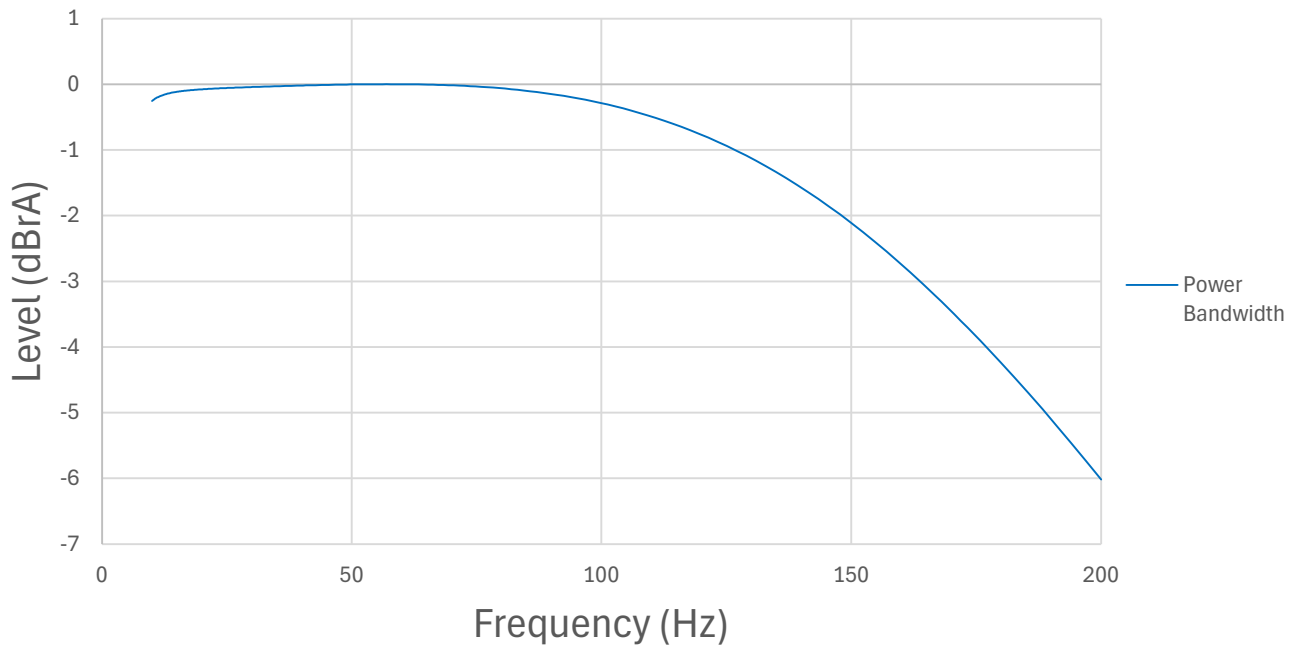
## THD+N vs. Power (W) @14.4VDC

THD+N Ratio (%) vs. Power (W)



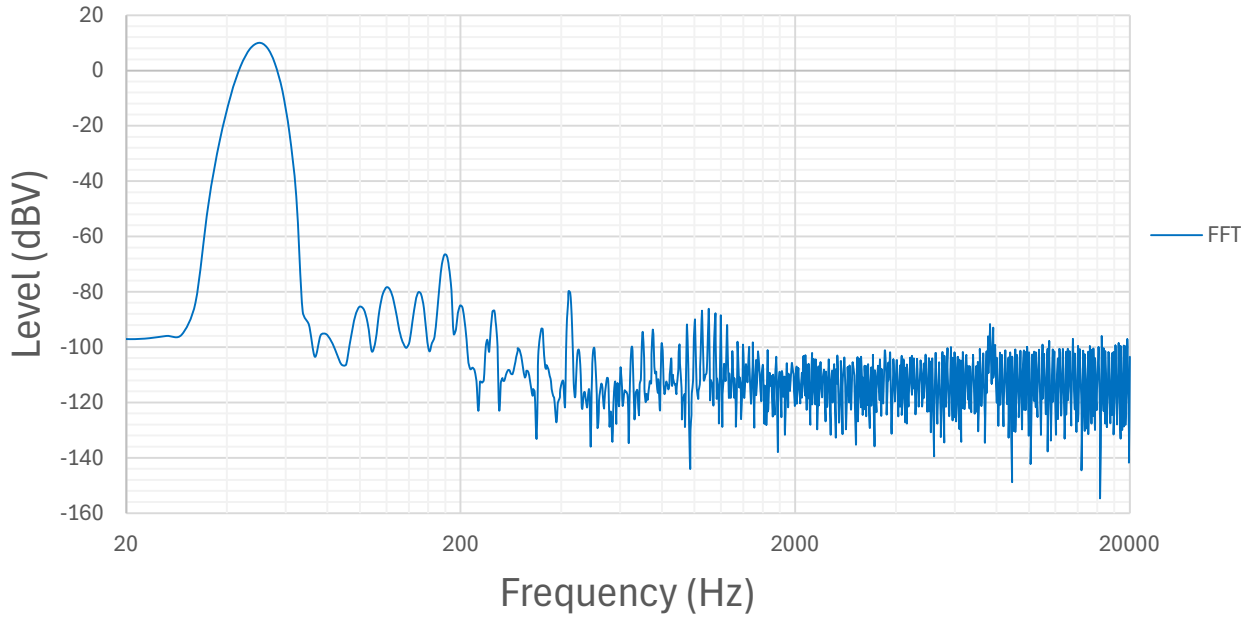
## Power Bandwidth (4Ω) @14.4VDC

Power Bandwidth, re: Rated Power (1400W @ 4Ω)



# FFT

## FFT (50Hz Signal)



# Crossover Bench

## Crossover Bench

