



**8" HIGH PERFORMANCE SUBWOOFER  
150W RMS - 450W MAX OUTPUT**

Models: Z8S4

**FEATURES**

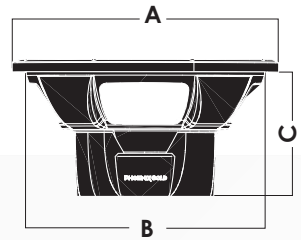
- Single 4 Ohm Voice Coil
- 22mm Peak to Peak Excursion
- 1.5" High Temp Copper Voice Coil
- Easy Connect Speaker Terminals
- Black Anodized Aluminium Former
- Optimised for Sealed or Vented Enclosures
  - Long Throw Spider Suspension
  - High Roll Rubber Surround
  - Dual Cone Design

*All specifications are subject to change without notice.*

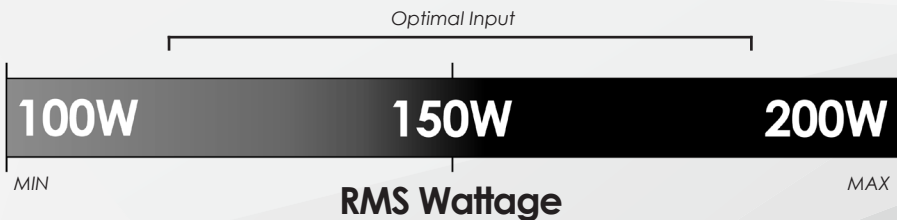


# PHOENIX GOLD

SPECIFICATION	Z8S4
Nominal Impedance (Z)	4 ohms (Single)
DC Resistance (Re)	3.72 ohms
Resonance Frequency (Fs)	40 Hz
Piston Area (Sd)	221.76cm <sup>2</sup>
Force Factor (BL)	10.314 Tm
Mechanical Q Factor (Qms)	7.839
Electrical Q Factor (Qes)	0.681
Total Q Factor (Qts)	0.626
Sensitivity 1W/M (SPL)	83.6 dB
Mechanical Compliance (Cms)	0.205 mm/N
Moving Mass (Mms)	77.586 g
Volume Acoustic Compliance (Vas)	14.223 Ltrs
Nominal Power (Pe)	150 Watts
Peak Power	450 Watts
Voice Coil Diameter	1.5in/38mm
Overall Diameter (A)	8.43in/214mm
Cut Out Diameter (B)	7.17in/182mm
Mounting Depth (C)	4.02in/102mm



## Phoenix Gold Recommended Amplifier Wattage (RMS)



## Enclosure Recommendations

Speaker and port displacement are already taken into account for recommended enclosures

### Sealed Enclosure - Punchy Bass

Net Internal Volume	20 Ltr
Frequency (FSC)	120Hz

### Sealed Enclosure - Hi-Fi Bass

Net Internal Volume	30 Ltr
Frequency (FSC)	101Hz

### Ported Enclosure - Punchy Bass

Net Internal Volume	15 Ltr
Frequency (FB)	48Hz
Slot Port Area	56cm <sup>2</sup>
Slot Port Length	42cm
Round Port Diameter	3 inch (7.62cm)
Round Port Length	33cm

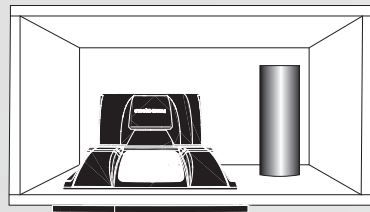
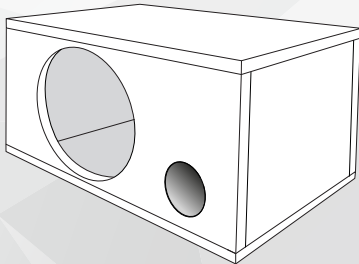
### Ported Enclosure - Hi-Fi Bass

Net Internal Volume	24 Ltr
Frequency (FB)	40Hz
Slot Port Area	39cm <sup>2</sup>
Slot Port Length	25cm
Round Port Diameter	3 inch (7.62cm)
Round Port Length	29cm

### Twin Box Enclosure - Punchy Bass

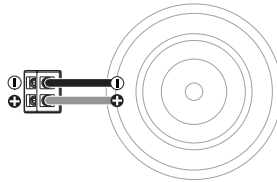
Net Internal Volume	30 Ltr
Frequency (FB)	45Hz
Slot Port Area	76cm <sup>2</sup>
Slot Port Length	30cm
Round Port Diameter	2x 4 inch (10.16cm)
Round Port Length	32cm

Round Port Example



## SINGLE SUBWOOFER SYSTEM

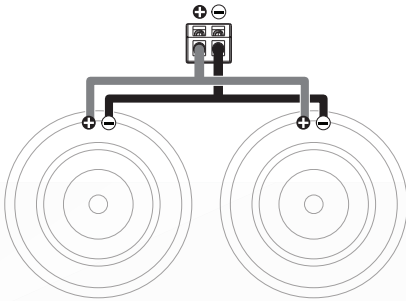
4 Ohm



## DUAL SUBWOOFER SYSTEM

WIRED IN PARALLEL

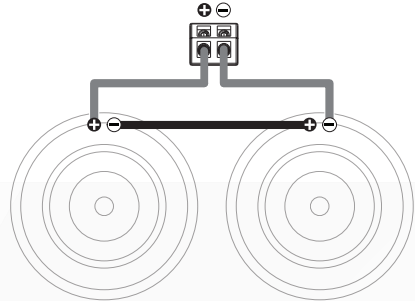
2 Ohm



## DUAL SUBWOOFER SYSTEM

WIRED IN SERIES - PARALLEL

8 Ohm



## Phoenix Gold Product Warranty

### LIMITED WARRANTY ON SUBWOOFERS

Phoenix Gold warrants this product to be free of defects in materials and workmanship for a period of one (1) years from the original date of purchase. This warranty is not transferable and applies only to the original purchaser from an authorized Phoenix Gold dealer in the United States of America only. Should service be necessary under this warranty for any reason due to manufacturing defect or malfunction, Phoenix Gold will (at its discretion), repair or replace the defective product with new or remanufactured product at no charge. Damage caused by the following is not covered under warranty: accident, misuse, abuse, burnt voice coils, used as door stops, salad bowls or hats, product modification or neglect, failure to follow installation instructions, unauthorized repair attempts, misrepresentations by the seller. This warranty does not cover incidental or consequential damages and does not cover the cost of removing or reinstalling the unit(s). Cosmetic damage due to accident or normal wear and tear is not covered under warranty.

### INTERNATIONAL WARRANTIES:

Products purchased outside the United States of America are covered only by that country's Authorized Phoenix Gold reseller and not by Phoenix Gold. Consumers needing service or warranty information for these products must contact that country's reseller for information.