

# TRIO8 8" subwoofer / midbass

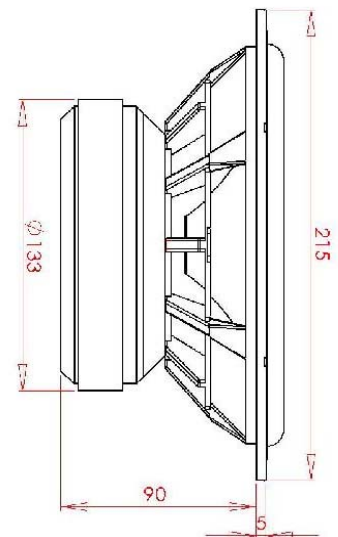
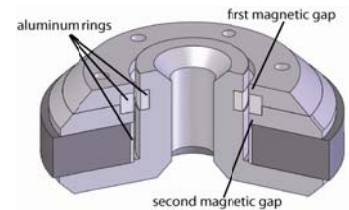


- Kevlar reinforced paper cone
- 20 mm NBR half roll surround
- XBL™ double-gap motor structure
- triple aluminum shorting rings
- high-excursion low-inductance design
- high power 2" copper voice coil on aluminum former
- custom cast aluminum basket
- large diameter spider with integrated lead wire

The patented single coil / dual gap XBL™ motor structure is used to great effect. A relatively short 50 mm diameter voice coil is immersed in symmetrical dual magnetic gaps sized to generate a constant motor force as it transverses them. In addition to lower distortion, the result is high excursion capability (28 mm peak-to-peak at 70% of rest BL), while maintaining relatively low mass and inductance. To further reduce distortion and widen bandwidth, triple aluminum shorting (demodulating) rings are used, lowering IM distortion and improving dynamic stability.

This drives a stiff and light shallow composite paper cone and dust cap. An optimized NBR surround and Nomex spider with symmetrical integrated leads provide the restoring force.

The CSS TRIO8 is a state of the art 8" subwoofer / midbass with a unique combination of very high sound quality and excursion capability with a relatively low mounting depth.



Nominal Impedance	8 ohms	Re	6.3 ohms
Recommended bandwidth	20-500 Hz	Le	0.6mH
Power handling	200 watts	Fs	26.9 Hz
Voice coil diameter	50 mm	Qms	4.54
Voice coil height	16 mm	Qes	0.407
Vas	38.4 litres	Qts	0.365
Linear coil travel	28 mm (p-p)	Cms	0.6 mm/N
Maximum coil travel	38 mm (p-p)	Mms	57.5 g
Magnet weight	40 oz.	Sd	213 cm <sup>2</sup>
Total weight	4.5 Kg / 9.9 pounds	SPL	84.4 dB/w/m

