

# CX10442

☀️ 10" / 1.75" ☀️ 250w / 50w  
☀️ 95 / 102 dB ☀️ 50 ~ 19k Hz



## KEY FEATURES:

- 500W(LF) +100W(HF) continuous program power capacity
- 95dB(LF)+102dB(HF) sensitivity 1w/1m
- 65mm(2.5") LF inside/outside copper clad aluminum voice coil
- 44mm(1.75") HF edgewound aluminum voice coil
- 1" PEEK HF driver directly coupled to the pole piece of the woofer provides excellent response in the mid to high frequencies
- Designed for use as stage monitors or as compact bass reflex systems

## LF GENERAL SPECIFICATIONS

Nominal Diameter	250mm /10inch
Rated Impedance	8 ohm
Nominal Power handling	250 Watts
Program Power	500 Watts
Sensitivity(1w/1m)	95 dB
Frequency Range	50 - 3500Hz
Voice Coil Diameter	65mm /2.5inch
Voice Coil Material	CCAW
Voice Coil Winding Depth	16 mm
Magnet gap depth	8 mm
Number of layers	2(inside/outside)
Magnet Outer Diameter/Wgt	156mm / 50 oz

## HF GENERAL SPECIFICATIONS

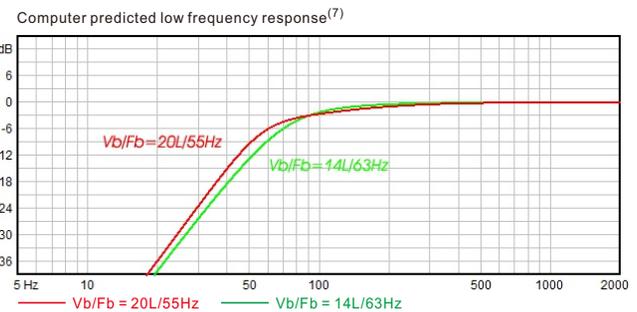
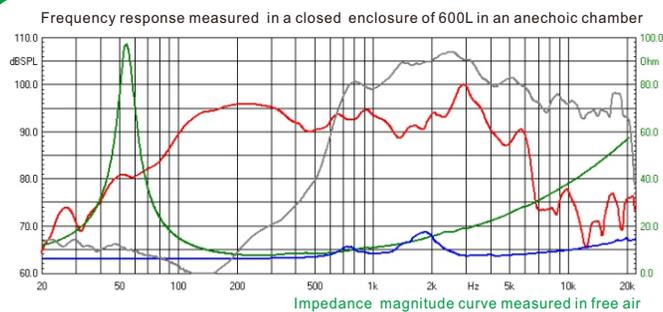
Throat Diameter	25.4mm /1inch
Rated Impedance	8 ohm
Power handling(2k~18kHz)	
Nominal <sup>1</sup>	50 Watts
Program <sup>2</sup>	100 Watts
Sensitivity <sup>3</sup>	
(1w/1m, on axis)	102 dB
Frequency Range <sup>4</sup>	700~19k Hz
Voice Coil Diameter	44mm /1.7inch
Voice Coil Material	Edgewound Aluminum
Diaphragm Material	PEEK
Magnet Outer Diameter/Wgt	102mm / 20 oz

## LF THIELE - SMALL PARAMETERS

Resonance frequency	Fs	54Hz
DC resistance	Re	5.6 ohm
Mechanical factor	Qms	5.0
Electrical factor	Qes	0.31
Total factor	Qts	0.29
Mechanical compliance	Cms	0.23 mm/N
Mechanical resistance of total-driver losses	Rms	2.54 kg/s
Effective Moving Mass	Mms	37.6 g
Half-space efficiency	Eff	1.9%
BL Factor	BL	15.2 T.m
Equivalent Cas air load	Vas	38.4 liters
Effective piston area	Sd	0.0346 m <sup>2</sup>
Max. linear excursion <sup>6</sup>	Xmax	± 6 mm
Max.excursion before damage	Xdam	±15mm
Voice coil inductance	Le1K	0.85 mH
Efficiency Bandwidth Product	EBP	174

## MOUNTING INFORMATION

Overall Diameter	261 mm	Overall Depth	185 mm
Bolt Circle Diameter	246 mm	Net Weight	6.8 kg
Bolt Hole Diameter	5.5 mm	Shipping Weight	7.3 kg
Baffle Cutout Diameter	228 mm	Shipping Box	275x275x200mm



## NOTES:

- AES standard.
- Program Power is defined as 3 dB greater than the nominal power handling.
- Sensitivity is measured at 1W input on rated impedance at 1m on axis.
- Frequency range is defined as the band of frequencies delineated by the lower and upper limits where the output level drops by 10dB below the rated sensitivity.
- T/S parameters measured with laser system BEFORE preconditioning test.
- The maximum linear excursion is calculated as:  $(Hvc-Hg)/2+Hg/4$  where Hvc is the voice coil depth and Hg is the gap depth.
- Vb: Net internal volume of box after subtracting the volume of internal objects.

