

# ROSSO-10CX300

10" - Coaxial - 600W - 95dB

AUDIENCE

- Cast aluminum chassis and HF rear chamber
- Integrated high precision machined HF horn
- Common HF/LF ferrite magnet motor structure
- Minimum damping fiber glass voice coil former
- Ribbon voice coil wire for high efficiency of HF section
- Additional support Neo slug magnet on pole piece for higher SPL
- Weather-proof coated paper cone made in house with sisal and manila fibers



## Dimension & Weight

Overall Diameter	264 mm (10.39 in)
Bolt Circle Diameter	250 mm (9.84 in)
Baffle Cutout Diameter	232 mm (9.13 in)
Mounting Depth	151.4 mm (5.96 in)
Flange and Gasket Thickness	12.6 mm (0.49 in)
Net Weight	6.17 Kg (13.6 lb)
Shipping Box	295 x 295 x 220 mm (11.61 x 11.61 x 8.67 in)
Gross Weight	7.2 Kg (15.87 lb)

## Specs

	LF Unit	HF Unit
Nominal Impedance	8 Ohm	8 Ohm
Minimum Impedance	6.2 Ohm	6.8 Ohm
AES Power Handling (1)	300 W	50 W
Maximum Power Handling (2)	600 W	100 W
Sensitivity (2.83V/1m) (3)	95 dB	105 dB
Frequency Range	58 - 7300 Hz	1500 - 20000 Hz
Voice Coil Diameter	60.6 mm (2.38 in)	44.3 mm (1.74 in)
Winding Material	ASVCAW	PSVCAR
Former Material	Till	Kapton
Winding Depth	19.1 mm	2.25 mm
Magnetic Gap Depth	8 mm (0.31 in)	2.25 mm (0.09in)
Flux Density	0.94 T	1.5 T
Magnet	Ferrite, Neo	-
Basket Material	Aluminium die cast	Aluminium die cast
Demodulation	-	-
Cone Surround	Cloth triple roll	PEEK
NET Air Volume filled by driver	3.5 liters	
Spider Profile	Single constant height waves	
Weather Resistant	Yes	

## Thiele Small Parameters

Fs	58 Hz
Re	5.2 Ohm
Qes	0.48
Qms	5.52
Qts	0.45
Vas	40.5 liters
Sd	366.4 cm <sup>2</sup>
Xmax (4)	8.2 mm
Xdamage (5)	30 mm
Mms	34.9 g
Bl	11.9 Tm
Le	0.63 mH
Cms	0.21 mm/N
Rms	2.32 Kg/s
Eta Zero	1.6 %
EBP	121

## HF-Replacement Diaphragm

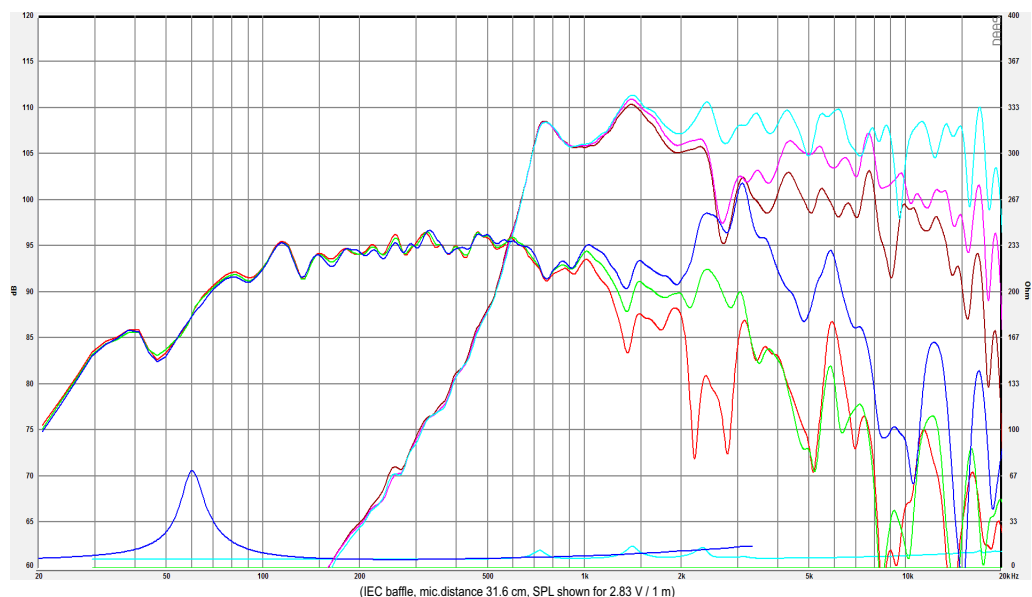
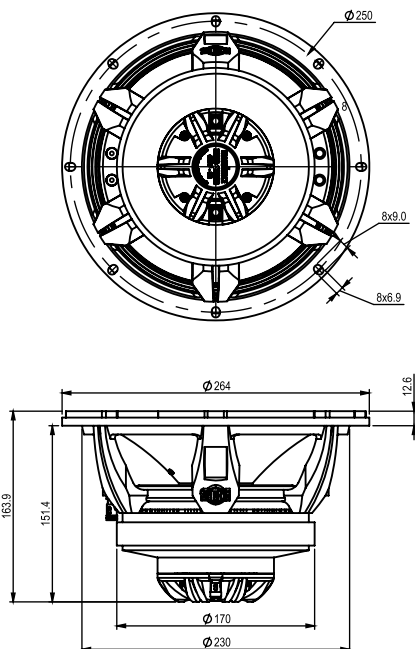
1P000OPSB041

## LF-Recone Kit

1P000OPSB039

### NOTES :

- (1) AES standard, test mode with continuous pink noise signal (6 dB crest factor; 2 hours) within the Fo to 10Fo power calculated on rated minimum impedance. Loudspeaker in free air
- (2) Maximum power is defined as 3dB greater than nominal power
- (3) Measured average within the frequency range (150Hz - 2kHz)
- (4) Xmax= ((Winding depth - magnetic gap depth)/2) +(magnetic gap depth/3)
- (5) Maximum excursion (p-p) before permanent damage
- (6) T/S parameters measured on drive units that are broken in



Response Curve:

Woofer → (Blue) : on axis

Tweeter → (Cyan) : on axis

(Green) : 30° off-axis

(Purple) : 30° off-axis

(Red) : 60° off-axis

(Brown) : 60° off-axis